

CONTRACT **B**

AGREEMENT FOR THE PROCUREMENT OF PEST CONTROL AND DISINFECTION SERVICES (JANUARY TO DECEMBER 2023)

KNOW ALL MEN BY THESE PRESENTS:

This Agreement for the procurement of **PROCUREMENT OF PEST CONTROL AND DISINFECTION SERVICES (JANUARY TO DECEMBER 2023)** (hereinafter, the AGREEMENT), entered into in Pasay City, Philippines, on 03 JAN 2023, between the:

DEPARTMENT OF FOREIGN AFFAIRS, (hereafter, the **PROCURING ENTITY**), with principal office address at 2330 Roxas Blvd., Pasay City, 1300 Metro Manila, represented by its Undersecretary for Administration and Head of the Procuring Entity (HOPE) **HONORABLE ANTONIO A. MORALES**,

and

POWER HOUSE PEST CONTROL SERVICES (hereinafter, the **CONTRACTOR**), a company duly organized and existing under and by virtue of the laws of the Philippines, as evidenced by the submitted DTI Certificate dated 22 November 2018 as ANNEX "A", with business address at 2422 R Fernandez St. Gagalangin. Tondo, Manila, Metro Manila, NCR, Philippines represented by ANNA MARIE M. ESCOBER, who is duly authorized to enter into this Agreement pursuant to the Omnibus Sworn Statement dated 22 November 2022, copy of which is attached as ANNEX "B" and made an integral part of this AGREEMENT.

WITNESSETH:

WHEREAS, the **PROCURING ENTITY** invited bids for the procurement of the Department's **PROCUREMENT OF PEST CONTROL AND DISINFECTION SERVICES (JANUARY TO DECEMBER 2023)** to be completed within twelve (12) months from the issuance of the Notice to Proceed (NTP), and has accepted a bid by the **CONTRACTOR** to provide the said services in the amount of **One Million Seven Hundred Two Thousand Two Hundred Seventy-Four Pesos and Seventy-Eight Centavos (PHP 1,702,274.78)** only, (hereinafter, the **Contract Price**) inclusive of all applicable taxes and other lawful charges.

WHEREAS, this Agreement, undertaken pursuant to DFA Bids and Awards Committee BAC Resolution No. CPM-PB-38-2022 dated 01 JAN 2023, and Notice of Award (ANNEX "C"), complies with the applicable provisions of Republic Act No. 9184 and its Implementing Rules and Regulations;

NOW, THEREFORE, for and in consideration of the foregoing premises, the **PARTIES** agree as follows:

1. The relevant definitions and general provisions in the General Conditions of Contract (GCC) and the Special Conditions of Contract (SCC) provided with the Philippine Bidding Documents which are not otherwise provided for herein or in any of the annexes to this Agreement shall apply supplementary.

2. The following Annexes are also attached and made integral parts of this Agreement:

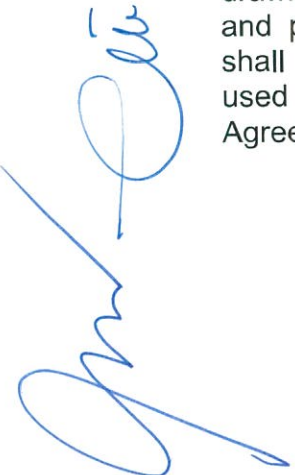
ANNEX A.	DTI Registration
ANNEX B.	Omnibus Sworn Statement
ANNEX C.	BAC RESO and Notice of Award
ANNEX D.	Bid Form
ANNEX E.	Certificate of Availability of Funds
ANNEX F.	Technical Specifications
ANNEX G.	General Conditions of Contract
ANNEX H.	Special Conditions of Contract
ANNEX I.	Performance Bond/Security

In case of conflict or inconsistencies between or among the provisions of this Agreement and any of the documents annexed to this Agreement, the provisions of the Technical Specifications / Terms of Reference under Annex F shall be controlling.

3. The CONTRACTOR shall deliver the goods and services to the PROCURING ENTITY within the period prescribed in the Technical Specification attached in Annex F.

4. The CONTRACTOR shall ensure that each of its personnel assigned to enter and perform works herein in the premises of the Procuring Entity and to partake in the execution and implementation of this Agreement shall execute and sign a Non-Disclosure Agreement to be submitted to the Procuring Entity prior to the commencement of their services. Both Parties hereby agree to keep confidential all information obtained in connection with this Agreement, including any technical drawings and plans, and will implement and maintain safeguards to further ensure and protect the confidentiality of such information. Such confidential information shall not, without the prior written consent of the Procuring Entity, be disclosed or used for purposes other than those necessary for implementing the objectives of this Agreement. This duty of confidentiality shall survive the duration of this Agreement.

a. **Dispute Resolution.** – The Parties shall exert their best efforts to amicably resolve and settle in good faith any dispute arising out of or in relation to this Agreement through negotiations. In the event that an amicable settlement cannot be achieved within sixty (60) days from the date on which either Party has served written notice thereof on the other party, the Parties agree to settle the matter with finality by submitting the same for arbitration in accordance with the Philippine Dispute Resolution Center, Inc.'s (PDRCI) rules and regulations, and shall be governed by Philippine law. The arbitration proceedings, including all records, documents, pleadings, orders and judgments filed or rendered in pursuant thereto, shall be kept confidential and shall be in the English language. Nothing in this Agreement shall prevent the Parties from applying to a Philippine court of a competent jurisdiction for provisional or interim measures or injunctive relief as may be necessary to safeguard the property or rights, as may be the subject matter of the dispute. The seat and venue of arbitration and/or



court proceedings shall be Pasay City, Metro Manila, Philippines to the exclusion of all other venues.


b. **Governing Law and Jurisdiction.** – This Agreement shall be governed, construed and enforced in accordance with Philippine law, rules and regulations.

5. For and in consideration of the performance of services, the PROCURING ENTITY shall pay the CONTRACTOR the above-mentioned Contract Price. The terms of payment shall be in accordance with the provisions stated in item XIII of the Technical Specification and the Special Conditions of Contract, which are attached to and made an integral part of this Agreement.
6. This Agreement shall be effective upon compliance with the issued Notice to Proceed or upon the signing of this Agreement for a period of twelve (12) months, or until compliance by both Parties of their respective undertakings including the expiration of the Warranties hereunder, whichever occurs last, unless earlier terminated.
7. It is understood that there exists no employer-employee relationship between the Procuring Entity and the Contractor and their respective officers, employees and representatives.
8. Neither party nor any of its officers, directors, managers, employees, agents and representatives shall be liable to the other party of any of its officers, directors, manavers, employees, agents, and representatives for any loss, liability, damage or expense arising out of or in connection with the performance of any services contemplated in this Agreement, unless such loss, liability, damage or expense shall be proven to directly result from the wilful misconduct or negligence of such officer, director, manager, employee, agent or representative.
9. Any other contract or agreement entered into by the Contractor and a third party for the implementation of this Agreement shall be exclusively between such parties, to the exclusion of the Procuring Entity. The Contractor warrants that it shall hold free and harmless the Procuring Entity from any and all such suits, and in no event shall it be held liable to such third parties for any special, incidental, indirect, consequential or punitive damages relating to the conduct or completion of the project.
10. The Contractor shall indemnify, defend, and hold harmless the Procuring Entity of any claims, damages, losses and expenses, including but not limited to attorneys' fees arising out of or resulting from the performance of the work, provided that such claim is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself), but only to the extent caused by the negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder.
11. Both parties warrant that they have not assigned and will not assign to any third party any cause of action, obligation, or demand of any nature whatsoever relating to any matter covered by this Agreement without the prior written consent of the other party.

12. This Agreement, the GCC, the SCC and the Technical Specifications encapsulate the full agreement between the Parties and any subsequent alteration, modification or amendment of the aforementioned documents or any of their provisions shall be subject to mutual consent of both Parties and shall be made in writing.
13. This Agreement shall be binding on the parties' respective successors or assigns.
14. The Parties agree that if any provision of this Agreement is judicially declared to be void, invalid, or otherwise unenforceable, said provision shall not invalidate the remaining provisions thereof. The parties shall, subject to their mutual agreement, promptly amend this Agreement and/or execute such additional documents as may be necessary to give legal effect to the void, invalid or unenforceable provision in a manner that, when taken with the remaining provisions, will achieve the intended purpose of the void, invalid or otherwise unenforceable provision.

IN WITNESS WHEREOF, the Parties through their authorized representatives hereto have signed this AGREEMENT on 03 JAN 2023, in Pasay City, Metro Manila.

**For the Procuring Entity:
DEPARTMENT OF FOREIGN AFFAIRS**



By: **HON. ANTONIO A. MORALES**
Undersecretary for Administration
and Head of the Procuring Entity

**For the Contractor:
POWER HOUSE PEST CONTROL
SERVICES**



By: **ANNA MARIE M. ESCOBER**
General Manager/ Owner

WITNESSES



LYRIE F. FULGENCIO
DFA Chief Accountant



Cruz, Ellaine T. (Admin Officer)
POWER HOUSE PEST CONTROL
SERVICES

ACKNOWLEDGEMENT

Republic of the Philippines)
) s.s.

MANILA

JAN 03 2023

BEFORE ME, a NOTARY PUBLIC for and in the City of Pasay, Philippines, on personally appeared HONORABLE ANTONIO A. MORALES, Undersecretary for Administration of the Department of Foreign Affairs and ANNA MARIE M. ESCOBER, Authorized Representative of POWER HOUSE PEST CONTROL SERVICES, known to me to be the same persons who executed the foregoing AGREEMENT FOR THE PROCUREMENT OF PEST CONTROL AND DISINFECTION SERVICES (JANUARY TO DECEMBER 2023) which instrument consists of _____ pages including the page on which this acknowledgment is written and the Annexes attached thereto, all pages of which have been signed by said PARTIES and their witnesses, and who acknowledged to me that the same is their free and voluntary act and deed and of the entities they represent.

The Philippine Government-Issued ID of the Parties were exhibited to me, the same bearing:

NAME	ID No.	PLACE OF ISSUE	DATE OF ISSUE
ANTONIO A. MORALES	D0009237A	DFA MANILA	04 DEC 2021
ANNA MARIE M. ESCOBER	UMID ID 0003-9217268-3	MANILA	MAY 27, 2019

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal on the day, year and in the place above written.

Doc. No. 5
Page No. 1
Book No. V
Series of 2023

ATTY. ROLANDE LAS PIÑAS
 Notary Public for City of Manila
 Notarial Commission No. 2023/016
 Until Dec.31, 2024
 2nd-C A.H. Lacson St. Samp.Mla.
 Roll of Attorney No. 84035
 PTR NO. 0822024 / JAN. 3, 2023/MLA.
 IBP Membership No. 243549/06/20/2022
 MCLE Exempted G.B.O. 1, s.2008

AGREEMENT FOR THE PROCUREMENT OF PEST CONTROL AND DISINFECTION SERVICES (JANUARY TO DECEMBER 2023)

KNOW ALL MEN BY THESE PRESENTS:


This Agreement for the procurement of **PROCUREMENT OF PEST CONTROL AND DISINFECTION SERVICES (JANUARY TO DECEMBER 2023)** (hereinafter, the **AGREEMENT**), entered into in Pasay City, Philippines, on 03 JAN 2023, between the:

DEPARTMENT OF FOREIGN AFFAIRS, (hereafter, the **PROCURING ENTITY**), with principal office address at 2330 Roxas Blvd., Pasay City, 1300 Metro Manila, represented by its Undersecretary for Administration and Head of the Procuring Entity (**HOPE**) **HONORABLE ANTONIO A. MORALES**,

and

POWER HOUSE PEST CONTROL SERVICES (hereinafter, the **CONTRACTOR**), a company duly organized and existing under and by virtue of the laws of the Philippines, as evidenced by the submitted DTI Certificate dated 22 November 2018 as ANNEX "A", with business address at 2422 R Fernandez St. Gagalangin. Tondo, Manila, Metro Manila, NCR, Philippines represented by ANNA MARIE M. ESCOBER, who is duly authorized to enter into this Agreement pursuant to the Omnibus Sworn Statement dated 22 November 2022, copy of which is attached as ANNEX "B" and made an integral part of this AGREEMENT.

WITNESSETH:

 **WHEREAS**, the **PROCURING ENTITY** invited bids for the procurement of the Department's **PROCUREMENT OF PEST CONTROL AND DISINFECTION SERVICES (JANUARY TO DECEMBER 2023)** to be completed within twelve (12) months from the issuance of the Notice to Proceed (NTP), and has accepted a bid by the **CONTRACTOR** to provide the said services in the amount of **One Million Seven Hundred Two Thousand Two Hundred Seventy-Four Pesos and Seventy-Eight Centavos (PHP 1,702,274.78)** only, (hereinafter, the **Contract Price**) inclusive of all applicable taxes and other lawful charges.

WHEREAS, this Agreement, undertaken pursuant to DFA Bids and Awards Committee BAC Resolution No. CPM-PA-38-2022 dated 01 JAN 2023, and Notice of Award (ANNEX "C"), complies with the applicable provisions of Republic Act No. 9184 and its Implementing Rules and Regulations;

NOW, THEREFORE, for and in consideration of the foregoing premises, the **PARTIES** agree as follows:

1. The relevant definitions and general provisions in the General Conditions of Contract (GCC) and the Special Conditions of Contract (SCC) provided with the Philippine Bidding Documents which are not otherwise provided for herein or in any of the annexes to this Agreement shall apply supplementary.

2. The following Annexes are also attached and made integral parts of this Agreement:

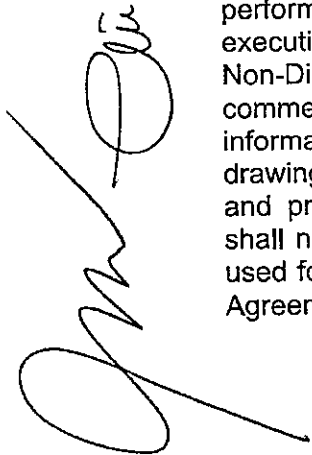
ANNEX A.	DTI Registration
ANNEX B.	Omnibus Sworn Statement
ANNEX C.	BAC RESO and Notice of Award
ANNEX D.	Bid Form
ANNEX E.	Certificate of Availability of Funds
ANNEX F.	Technical Specifications
ANNEX G.	General Conditions of Contract
ANNEX H.	Special Conditions of Contract
ANNEX I.	Performance Bond/Security

In case of conflict or inconsistencies between or among the provisions of this Agreement and any of the documents annexed to this Agreement, the provisions of the Technical Specifications / Terms of Reference under Annex F shall be controlling.

3. The CONTRACTOR shall deliver the goods and services to the PROCURING ENTITY within the period prescribed in the Technical Specification attached in Annex F.

4. The CONTRACTOR shall ensure that each of its personnel assigned to enter and perform works herein in the premises of the Procuring Entity and to partake in the execution and implementation of this Agreement shall execute and sign a Non-Disclosure Agreement to be submitted to the Procuring Entity prior to the commencement of their services. Both Parties hereby agree to keep confidential all information obtained in connection with this Agreement, including any technical drawings and plans, and will implement and maintain safeguards to further ensure and protect the confidentiality of such information. Such confidential information shall not, without the prior written consent of the Procuring Entity, be disclosed or used for purposes other than those necessary for implementing the objectives of this Agreement. This duty of confidentiality shall survive the duration of this Agreement.

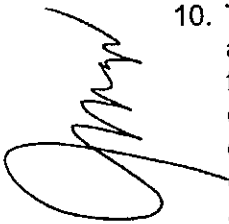
a. **Dispute Resolution.** – The Parties shall exert their best efforts to amicably resolve and settle in good faith any dispute arising out of or in relation to this Agreement through negotiations. In the event that an amicable settlement cannot be achieved within sixty (60) days from the date on which either Party has served written notice thereof on the other party, the Parties agree to settle the matter with finality by submitting the same for arbitration in accordance with the Philippine Dispute Resolution Center, Inc.'s (PDRCI) rules and regulations, and shall be governed by Philippine law. The arbitration proceedings, including all records, documents, pleadings, orders and judgments filed or rendered in pursuant thereto, shall be kept confidential and shall be in the English language. Nothing in this Agreement shall prevent the Parties from applying to a Philippine court of a competent jurisdiction for provisional or interim measures or injunctive relief as may be necessary to safeguard the property or rights, as may be the subject matter of the dispute. The seat and venue of arbitration and/or



court proceedings shall be Pasay City, Metro Manila, Philippines to the exclusion of all other venues.

b. **Governing Law and Jurisdiction.** – This Agreement shall be governed, construed and enforced in accordance with Philippine law, rules and regulations.

5. For and in consideration of the performance of services, the PROCURING ENTITY shall pay the CONTRACTOR the above-mentioned Contract Price. The terms of payment shall be in accordance with the provisions stated in item XIII of the Technical Specification and the Special Conditions of Contract, which are attached to and made an integral part of this Agreement.
6. This Agreement shall be effective upon compliance with the issued Notice to Proceed or upon the signing of this Agreement for a period of twelve (12) months, or until compliance by both Parties of their respective undertakings including the expiration of the Warranties hereunder, whichever occurs last, unless earlier terminated.
7. It is understood that there exists no employer-employee relationship between the Procuring Entity and the Contractor and their respective officers, employees and representatives.
8. Neither party nor any of its officers, directors, managers, employees, agents and representatives shall be liable to the other party of any of its officers, directors, managers, employees, agents, and representatives for any loss, liability, damage or expense arising out of or in connection with the performance of any services contemplated in this Agreement, unless such loss, liability, damage or expense shall be proven to directly result from the wilful misconduct or negligence of such officer, director, manager, employee, agent or representative.
9. Any other contract or agreement entered into by the Contractor and a third party for the implementation of this Agreement shall be exclusively between such parties, to the exclusion of the Procuring Entity. The Contractor warrants that it shall hold free and harmless the Procuring Entity from any and all such suits, and in no event shall it be held liable to such third parties for any special, incidental, indirect, consequential or punitive damages relating to the conduct or completion of the project.
10. The Contractor shall indemnify, defend, and hold harmless the Procuring Entity of any claims, damages, losses and expenses, including but not limited to attorneys' fees arising out of or resulting from the performance of the work, provided that such claim is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself), but only to the extent caused by the negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder.
11. Both parties warrant that they have not assigned and will not assign to any third party any cause of action, obligation, or demand of any nature whatsoever relating to any matter covered by this Agreement without the prior written consent of the other party.

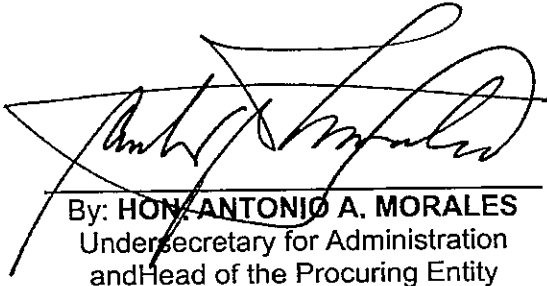
A handwritten signature in black ink, appearing to be 'J. M. ...', is written over the text of item 10.



12. This Agreement, the GCC, the SCC and the Technical Specifications encapsulate the full agreement between the Parties and any subsequent alteration, modification or amendment of the aforementioned documents or any of their provisions shall be subject to mutual consent of both Parties and shall be made in writing.
13. This Agreement shall be binding on the parties' respective successors or assigns.
14. The Parties agree that if any provision of this Agreement is judicially declared to be void, invalid, or otherwise unenforceable, said provision shall not invalidate the remaining provisions thereof. The parties shall, subject to their mutual agreement, promptly amend this Agreement and/or execute such additional documents as may be necessary to give legal effect to the void, invalid or unenforceable provision in a manner that, when taken with the remaining provisions, will achieve the intended purpose of the void, invalid or otherwise unenforceable provision.

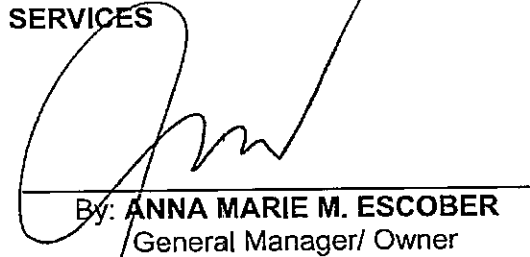
IN WITNESS WHEREOF, the Parties through their authorized representatives hereto have signed this AGREEMENT on 03 JAN 2023 in Pasay City, Metro Manila.

**For the Procuring Entity:
DEPARTMENT OF FOREIGN AFFAIRS**



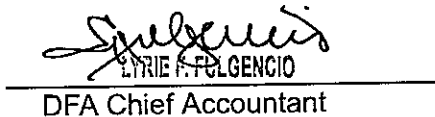
By: **HON. ANTONIO A. MORALES**
Undersecretary for Administration
and Head of the Procuring Entity

**For the Contractor:
POWER HOUSE PEST CONTROL
SERVICES**



By: **ANNA MARIE M. ESCOBER**
General Manager/ Owner

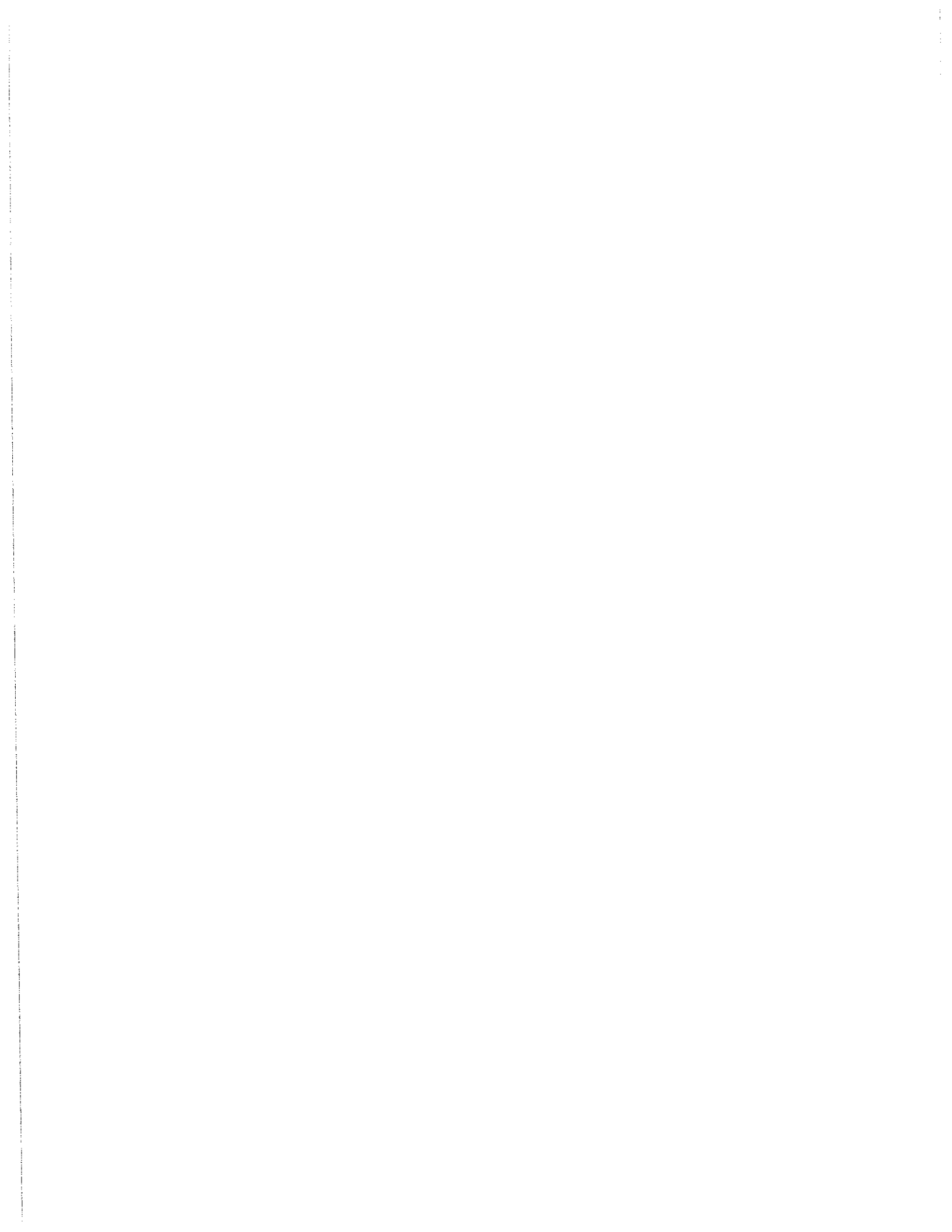
WITNESSES



LYRICE F. FULGENCIO
DFA Chief Accountant



CRUZ, ELAINE T. (Admin Officer)
POWER HOUSE PEST CONTROL
SERVICES



ACKNOWLEDGEMENT

Republic of the Philippines)
MANILA) s.s.

JAN 03 2023

BEFORE ME, a NOTARY PUBLIC for and in the City of Pasay, Philippines, on _____, personally appeared HONORABLE ANTONIO A. MORALES, Undersecretary for Administration of the Department of Foreign Affairs and ANNA MARIE M. ESCOBER, Authorized Representative of POWER HOUSE PEST CONTROL SERVICES, known to me to be the same persons who executed the foregoing AGREEMENT FOR THE PROCUREMENT OF PEST CONTROL AND DISINFECTION SERVICES (JANUARY TO DECEMBER 2023) which instrument consists of _____ pages including the page on which this acknowledgment is written and the Annexes attached thereto, all pages of which have been signed by said PARTIES and their witnesses, and who acknowledged to me that the same is their free and voluntary act and deed and of the entities they represent.

The Philippine Government-Issued ID of the Parties were exhibited to me, the same bearing:

NAME	ID No.	PLACE OF ISSUE	DATE OF ISSUE
ANTONIO A. MORALES			
ANNA MARIE M. ESCOBER	UMID ID 0003-9919268-3	MANILA	MAY 27, 2019

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal on the day, year and in the place above written.

Doc. No. 5
Page No. 1
Book No. VI
Series of 2023

ATTY. ROLAND E. LAS PIÑAS
Notary Public for City of Manila
Notarial Commission No. 2023/016
Until Dec.31, 2024
240-C A.H. Lacson St. Samp.Mla.
Roll of Attorney No. 84035
PTR NO. 0822024 / JAN. 3, 2023/MLA.
IBP Membership No. 243549/06/20/2022
MCLE Exempted G.B.O. 1, s.2008



DEPARTMENT OF FOREIGN AFFAIRS
KAGAWARAN NG UGNAYANG PANLABAS

OFFICE OF ASSET MANAGEMENT AND SUPPORT SERVICES

OAMSS-EMD-2023-01-11

MEMORANDUM FOR: THE UNDERSECRETARY FOR ADMINISTRATION AND
HEAD OF PROCURING ENTITY

Through : The Assistant Secretary, OTLA
The Assistant Secretary, OFMS
The Chief Accountant, OFMS
The Assistant Secretary and Chair, Bids and Awards Committee

FROM :  MEDARDO G. MACARAIG
Assistant Secretary

SUBJECT : Agreement for the Department's PROCUREMENT OF PEST
CONTROL AND DISINFECTION SERVICES (JANUARY TO
DECEMBER 2023)

DATE : 04 January 2023

OAMSS transmits to the Undersecretary, for his review, comments and signature, the draft Agreement for the PROCUREMENT OF PEST CONTROL AND DISINFECTION SERVICES (JANUARY TO DECEMBER 2023).

Attached are copies of Annexes arranged in the following order:

- ANNEX A. DTI Registration
- ANNEX B. Omnibus Sworn Statement
- ANNEX C. BAC RESO and Notice of Award
- ANNEX D. Bid Form
- ANNEX E. Certificate of Availability of Funds
- ANNEX F. Technical Specifications
- ANNEX G. General Conditions of Contract
- ANNEX H. Special Conditions of Contract
- ANNEX I. Performance Bond/ Security

The BAC Resolution and Notice of Award (NOA) (ANNEX C) will be attached to the agreement once received from BAC while the Performance Security Certificate (Annex I) will be attached to the Agreement once submitted by the Contractor.

For the consideration of the Undersecretary.

BAC SECRETARIA

RECEIVED BY: 
DATE: 18 Jan 2023
TIME: 10:50 AM



DEPARTMENT OF FOREIGN AFFAIRS
KAGAWARAN NG UGNAYANG PANLABAS

OFFICE OF TREATIES AND LEGAL AFFAIRS

OTLA-M-089-2023

MEMORANDUM FOR THE UNDERSECRETARY FOR ADMINISTRATION AND HEAD OF PROCURING ENTITY

CC : The Assistant Secretary, OAMSS
The Assistant Secretary, OFMS
The Chairperson, BAC

FROM : 
DOMINGO P. NOLASCO
Assistant Secretary

SUBJECT : Agreement for the Department's Procurement of Pest Control and Disinfection Services (January to December 2023)

DATE : 10 January 2023

This refers to OAMSS' Memorandum OAMSS-EMD-2023-01-11 dated 04 January 2023, addressed to the Undersecretary for Administration and Head of Procuring Entity, requesting comments on the draft *Agreement for the Department's Procurement of Pest Control and Disinfection Services (January to December 2023)*.

OTLA finds the terms of the draft agreement to be generally **in order**, subject to the following recommendations:

1. Correction of the reference to Annex "G" in Term No. 3. OTLA notes that in Term No. 2, "General Conditions of Contract" is referred to as Annex G, while in Term No. 3, "Supplemental Bid Bulletin No. 1" is referred to as Annex "G".
2. Amendment of Term No. 4(a), as follows:

"Dispute Resolution. – The Parties shall exert their best efforts to amicably resolve and settle in good faith any dispute arising out of or in relation to this Agreement through negotiations. In the event that an amicable settlement cannot be achieved within sixty

(60) days from the date on which either Party has served written notice thereof on the other party, the Parties agree to settle the matter with finality by submitting the same for arbitration in accordance with the Philippine Dispute Resolution Center, Inc.'s (PDRCI) rules and regulations, and shall be governed by Philippine law. The arbitration proceedings, including all records, documents, pleadings, orders and judgments filed or rendered in pursuant thereto, shall be kept confidential and shall be in the English language. ~~The seat and venue of arbitration shall be Pasay City, Metro Manila, Philippines.~~ Nothing in this Agreement shall prevent the Parties from applying to a Philippine court of a competent jurisdiction for provisional or interim measures or injunctive relief as may be necessary to safeguard the property or rights, as may be the subject matter of the dispute. The seat and venue of arbitration and/or court proceedings shall be in Pasay City, Metro Manila, Philippines to the exclusion of all other venues."

3. Incorporation of the following provisions into the agreement, to protect the interests of the Department:
- a. It is understood that there exists no employer-employee relationship between the Procuring Entity and the Contractor and their respective officers, employees and representatives.
 - b. Neither party nor any of its officers, directors, managers, employees, agents, and representatives shall be liable to the other party or any of its officers, directors, managers, employees, agents, and representatives for any loss, liability, damage or expense arising out of or in connection with the performance of any services contemplated in this Agreement, unless such loss, liability, damage or expense shall be proven to directly result from the willful misconduct or negligence of such officer, director, manager, employee, agent or representative.
 - c. Any other contract or agreement entered into by the Contractor and a third party for the implementation of this Agreement shall be exclusively between such parties, to the exclusion of the Procuring Entity. The Contractor warrants that it shall hold free and harmless the Procuring Entity from any and all such suits, and in no event shall it be held liable to such third parties for any special, incidental, indirect, consequential or punitive damages relating to the conduct or completion of the project.
 - d. The Contractor shall indemnify, defend, and hold harmless the Procuring Entity of any claims, damages, losses and expenses, including but not limited to attorneys' fees arising out of or resulting from the performance of the work, provided that such claim is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself), but only to the extent caused by the negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder.
 - e. Both parties warrant that they have not assigned and will not assign to any third party any cause of action, obligation, or demand of any nature whatsoever relating to any matter covered by this Agreement without the prior written consent of the other party.
 - f. This Agreement, the GCC, the SCC and the Technical Specifications encapsulate the full agreement between the Parties and any subsequent alteration, modification or amendment of the aforementioned documents or any of their provisions shall be subject to mutual consent of both Parties and shall be made in writing.
 - g. This Agreement shall be binding on the parties' respective successors or assigns.
 - h. The Parties agree that if any provision of this Agreement is judicially declared to be void, invalid, or otherwise unenforceable, said provision shall not invalidate the remaining

provisions thereof. The parties shall, subject to their mutual agreement, promptly amend this Agreement and/or execute such additional documents as may be necessary to give legal effect to the void, invalid or unenforceable provision in a manner that, when taken with the remaining provisions, will achieve the intended purpose of the void, invalid or otherwise unenforceable provision.

4. OAMSS is reminded to complete the inclusive dates of the agreement upon its finalization.

OTLA defers to **OFMS** on the financial aspects, to **OAMSS** on the technical aspects, and to **BAC** on procurement matters.

For the Undersecretary's consideration.




DEPARTMENT OF FOREIGN AFFAIRS
KAGAWARAN NG UGNAYANG PANLABAS

OFFICE OF FINANCIAL MANAGEMENT SERVICES

MEMORANDUM FOR THE ASSISTANT SECRETARY, OAMSS

CC : The Undersecretary for Administration
The Assistant Secretary, OTLA
The Chairperson, Bids and Awards Committee

FROM : 
SULPICIO M. CONFIADO
Assistant Secretary

SUBJECT : Agreement for the Department's Procurement of Pest Control
and Disinfection Services (January to December 2023)

DATE : 16 January 2023

Reference is made to OAMSS-EMD-2023-01-11 dated 04 January 2023 and its attached draft Agreement for the Procurement of Pest Control and Disinfection Services (January to December 2023) and Annexes. OFMS notes that, under no. 5 of the draft Agreement, it states that "*The terms of payment shall be in accordance with the provisions stated in item VI of the Technical Specification and the Special Conditions of Contract, which are attached to and made an integral part of this Agreement*". However, upon review, the Terms of Payment are indicated under item XIII of the Technical Specifications. As such, OFMS recommends that the draft Agreement be amended to reflect the above observation.

OFMS defers to OTLA on the legal aspects, to OAMSS on the technical aspects, and to BAC on procurement matters.

For the Assistant Secretary's consideration.

ANNEX A
DTI REGISTRATION



This certifies that

POWER HOUSE PEST CONTROL SERVICES
(National)

is a business name registered in this office pursuant to the provisions of Act 3883, as amended by Act 4147 and Republic Act No. 863, and in compliance with the applicable rules and regulations prescribed by the Department of Trade and Industry.

This certificate issued to

ANNA MARIE MENDOZA ESCOBER

is valid from 10 December 2018 to 10 December 2023 subject to continuing compliance with the above-mentioned laws and all applicable laws of the Philippines, unless voluntarily cancelled.

In testimony whereof, I hereby sign this

**Certificate of
Business Name Registration**

and issue the same on this 22nd day of November 2018 in the Philippines.

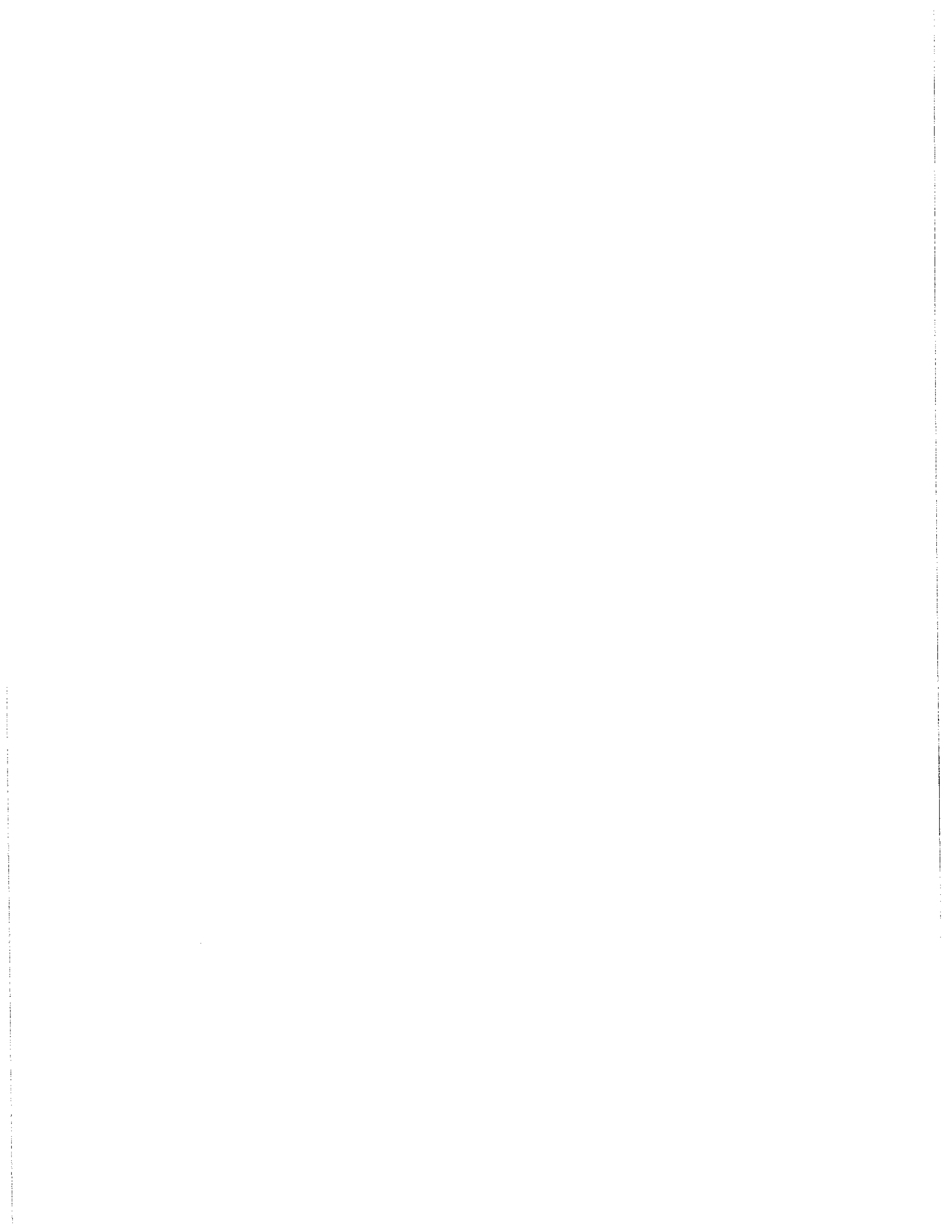

RAMON M. LOPEZ
Secretary

Certificate No. 05633596

This certificate is not a license to engage in any kind of business and valid only at the scope indicated herein.

TRN 9241143

ANNEX B
OMNIBUS SWORN
STATEMENT



Omnibus Sworn Statement (Revised)

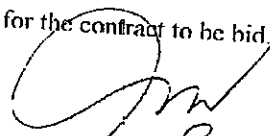
REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF MANILA, S.S.

AFFIDAVIT

I, ANNA MARIE M. ESCOBER, of legal age, married, Filipino, and residing at 2422 R. Fernandez St., Gagalangin, Tondo, Manila, after having been duly sworn in accordance with law, do hereby depose and state that:

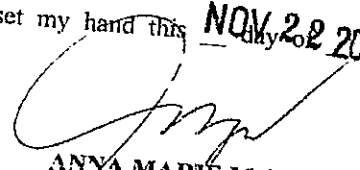
1. I am the sole proprietor or authorized representative of POWER HOUSE PEST CONTROL SERVICES with office address at 2422 R. Fernandez St., Gagalangin, Tondo, Manila;
2. As the owner and sole proprietor, or authorized representative of POWER HOUSE PEST CONTROL SERVICES, I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract **PROCUREMENT OF PEST CONTROL AND DISINFECTION SERVICES (JANUARY TO DECEMBER 2023) [EARLY PROCUREMENT ACTIVITY]** of the **DEPARTMENT OF FOREIGN AFFAIRS - MAIN**, as shown in the attached duly notarized Special Power of Attorney;
3. POWER HOUSE PEST CONTROL SERVICES is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. POWER HOUSE PEST CONTROL SERVICES is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;
7. POWER HOUSE PEST CONTROL SERVICES complies with existing labor laws and standards; and
8. POWER HOUSE PEST CONTROL SERVICES is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and

OMNIBI



- d. Inquiring or securing Supplemental/Bid Bulletin(s) issued contract **PROCUREMENT OF PEST CONTROL AND DISINFECTION SERVICES (JANUARY TO DECEMBER 2023) [EARLY PROCUREMENT ACTIVITY]**.
9. POWER HOUSE PEST CONTROL SERVICES did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

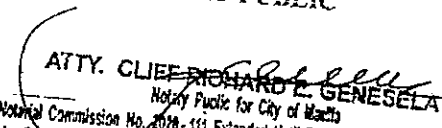
IN WITNESS WHEREOF, I have hereunto set my hand this NOV 22 2022 day of NOV 22 2022 at MANILA Philippines.


ANNA MARIE M. ESCOBER
 Bidders Representative/Authorized Signatory

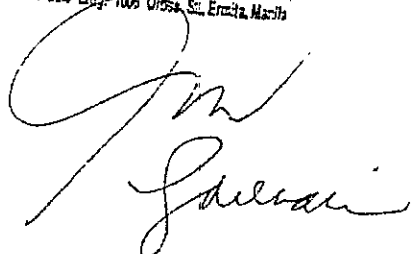
SUBSCRIBED AND SWORN to before me this NOV 22 2022 day of NOV 22 2022, 2022 at MANILA Philippines. Affiant is personally known to me and was identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant exhibited to me her Unified Multi-Purpose I.D., with her photograph and signature appearing thereon, with no. 0003-9717268-3 issued at Manila on May 27, 2019 and her Community Tax Certificate No. CCI2920-00148493 issued on January 6, 2022 at Manila.

Witness my hand and seal this NOV 22 2022 day of NOV 22 2022, 2022.

NAME OF NOTARY PUBLIC

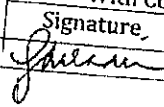
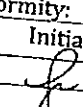

ATTY. CLIEF RICHARD E. GENESELA
 Notary Public for City of Manila
 Notarial Commission No. 2018-111 Extended Until December 31, 2022 Manila
 (Under Supreme Court Bd. No. 3795 extended from Jan. 1 to December 31, 2022)
 BSP No. 165315 Issued on Oct. 25, 2021 Until Dec. 31, 2022 Parel Civil/Pol No. 45512
 PTR No. 0097471 Issued on Jan. 3, 2022 Until Dec. 31, 2022 Manila
 MCLE No. VI-0022302 Issued on April 30, 2019 Extended until April 14, 2024
 Office Add: Mezzanin San Luis Bldg., 1005 Orsa, St., Ermita, Manila

Doc. No. 414
 Page No. 83
 Book No. 121
 Series of 22



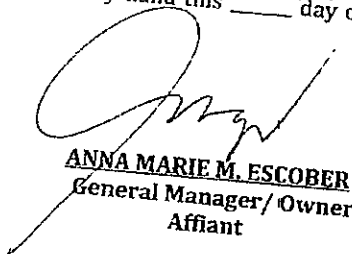
**SPECIAL POWER OF ATTORNEY
(Sole Proprietorship)**

I, ANNA MARIE M. ESCOBER, General Manager/Owner of POWER HOUSE PEST CONTROL SERVICES, a sole proprietorship established and duly registered under the laws of the Philippines, with its registered office at 2422 R. Fernandez St. Gagalangin, Tondo 1013, Manila, do hereby make, constitute and appoint any of the following:

No.	Name of Duly Authorized Representative/s	Position	With Conformity:	
			Signature	Initials
1.	LAIGIEA ANN T. DELADIA	Administrative Assistant		

to be true and lawful attorney/s, for it and its name, place and stead, to submit, to process, to sign and to pick-up/get any other writings of whatever nature or kind, and transact with DEPARTMENT OF FOREIGN AFFAIRS in regards with the Project Title: **PROCUREMENT OF PEST CONTROL AND DISINFESTATION SERVICES (JANUARY TO DECEMBER 2023) [EARLY PROCUREMENT ACTIVITY]** with project no. PB-GS-37-22-EP3 and execute and perform any and all acts necessary, and/or represent Power House Pest Control Services, as fully and effectively as the sole proprietorship might do if personally present with power of substitution and revocation and hereby confirming all that said representative/s shall lawfully do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, I have hereunto set my hand this NOV 22 2022 day of _____, 2022 at MANILA

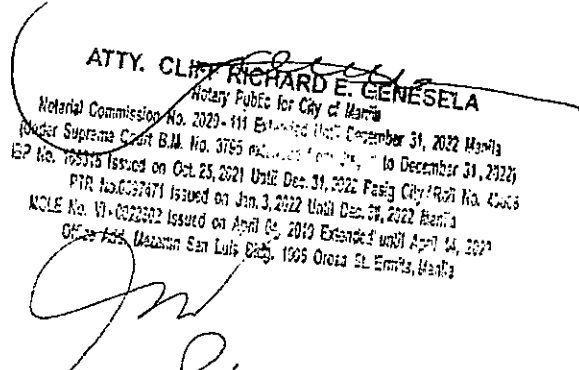

ANNA MARIE M. ESCOBER
General Manager/ Owner
Affiant

SPECIAL POW

SUBSCRIBED AND SWORN to before me this NOV 22 2022 day of _____, 2022 at MANILA Philippines. Affiant is personally known to me and was identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant exhibited to me her Unified Multi-Purpose I.D., with her photograph and signature appearing thereon, with no. 0003-9717268-3 issued at Manila on May 27, 2019 and her Community Tax Certificate No. CCI2020-00143493 issued on January 6, 2022 at Manila.

Witness my hand and seal this NOV 22 2022 day of _____, 2022.

NAME OF NOTARY PUBLIC


ATTY. CLIFF RICHARD E. GENESELA
Notary Public for City of Manila
Notarial Commission No. 2020-111 Expiration Date: December 31, 2022 Manila
(Under Supreme Court B.M. No. 3785 extended from Dec. 31 to December 31, 2022)
EP No. 162313 Issued on Oct. 23, 2021 Until Dec. 31, 2022 Pasig City/Reg. No. 4003
PTR No. 0227471 Issued on Jan. 3, 2022 Until Dec. 31, 2022 Manila
NCLE No. 17-022322 Issued on April 06, 2019 Extended until April 14, 2021
Office: 724, Muzantin San Luis Bldg., 1905 Orosa St. Ermita, Manila

Doc. No. 415
Page No. 83
Book No. 21
Series of 22

ANNEX C
BAC RESOLUTION
AND NOTICE OF AWARD

ANNEX D
BID FORM

Bid Form for the Procurement of Goods

BID FORM

Date: **DECEMBER 01, 2022**

Project Identification No. : **PB-GS-37-22-EP3**

To: **DEPARTMENT OF FOREIGN AFFAIRS**
2300 Roxas Blvd., Pasay City

Having examined the Philippine Bidding Documents (PBDs) including the Supplement or Bid Bulletin Number 1, the receipt of which is hereby duly acknowledged, we, undersigned, offer to supply/deliver/perform **PROCUREMENT OF PEST CONTROL & DISINFECTION SERVICES (JANUARY TO DECEMBER 2023) [E/P PROCUREMENT ACTIVITY]** in conformity with the said PBDs for the sum of **MILLION SEVEN HUNDRED TWO THOUSAND TWO HUNDRED SEVENTY-FIVE PESOS AND SEVENTY EIGHT CENTAVOS (PHP 1,702,274.78)** or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein or in the Price Schedules.

If our Bid is accepted, we undertake:

- a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);
- b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PEDs and it shall remain binding upon us at any time before the expiration of that period.

[Insert this paragraph if Foreign-Assisted Project with the Development Partner:
Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
---------------------------	---------------------	-----------------------------------

"NONE"

"NONE"

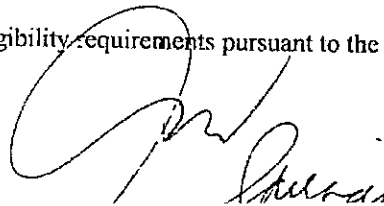
"NONE"

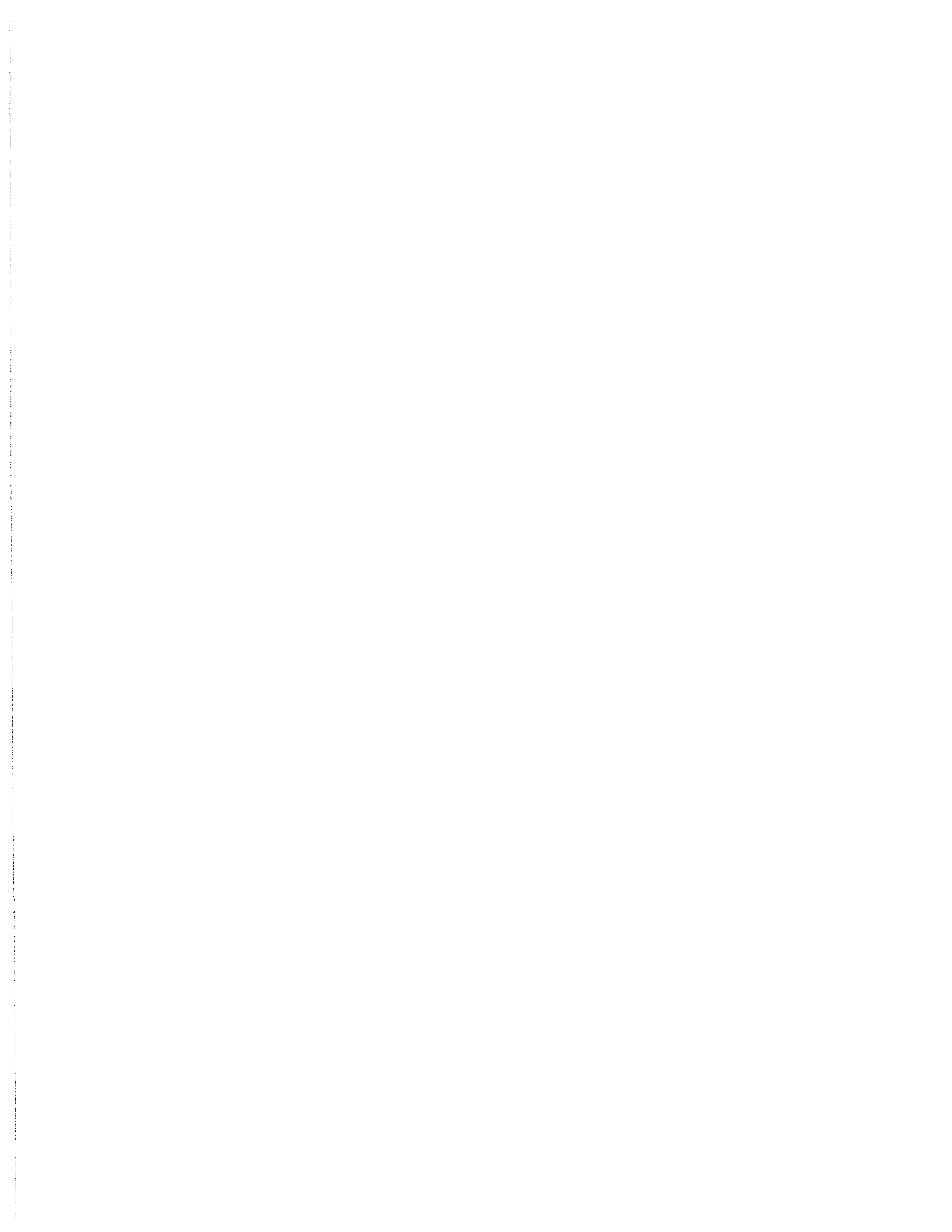
(if none, state "None") /

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.





The undersigned is authorized to submit the bid on behalf of **POWER HOUSE PEST CONTROL SERVICES** as evidenced by the attached Special Power of Attorney.

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Name: ANNA MARIE M. ESCOBER

Legal capacity: GENERAL MANAGER/OWNER

Signature: 

Duly authorized to sign the Bid for and behalf of: POWER HOUSE PEST CONTROL SERVICES

Date: DECEMBER 01, 2022



ANNEX E

CERTIFICATE OF

AVAILABILITY OF FUNDS



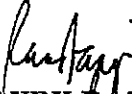
DEPARTMENT OF FOREIGN AFFAIRS
KAGAWARAN NG UGNAYANG PANLABAS

OFFICE OF FINANCIAL MANAGEMENT SERVICES

CERTIFICATE OF AVAILABILITY OF BUDGET
(Based on NEP)

This is to certify that the amount of **ONE MILLION AND SEVEN HUNDRED THOUSAND PESOS ONLY (Php1,700,000.00)** is included in the National Expenditure Program (NEP) for FY 2023 to cover Pest Control and Disinfection Services of the Department for FY 2023, chargeable against **OAMSS's FY 2023 MOOE for Environment/Sanitary Services**. Availability of which is subject to the release of funds and allotment by the Department of Budget and Management (DBM).

This Certification is issued for whatever lawful purpose it may serve.


RANDY P. MARQUIZA
Acting Budget Officer

10 - 22 - 0094
BUDGET DIVISION-CABNEP
27 October 2022



DEPARTMENT OF FOREIGN AFFAIRS
KAGAWARAN NG UGNAYANG PANLABAS

OFFICE OF FINANCIAL MANAGEMENT SERVICES

CERTIFICATE OF AVAILABILITY OF BUDGET
(Based on the FY 2023 National Expenditure Program)

This is to certify that the amount of **FOUR HUNDRED THOUSAND PESOS ONLY (P400,000.00)** is included in the National Expenditure Program (NEP) for FY 2023 to cover the cost for the cost of disinfection treatment of OCA-Aseana and Consular Offices premises for FY 2023, chargeable against **OCA's MOOE**. This availability is subject to the release of FY 2023 General Appropriations Act (GAA).

RANDY B. ARQUIZA
Acting Budget Officer

11 - 22 - 0075
BUDGET DIVISION-CAB
04 November 2022

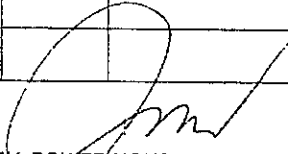
ANNEX F
TECHNICAL
SPECIFICATIONS/ TERMS
OF REFERENCE

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item Number	Description	Quantity	Total	Delivered, Weeks/Months
PB-GS-37-22-EP3	PROCUREMENT OF PEST CONTROL AND DISINFECTION SERVICES (JANUARY TO DECEMBER 2023) [EARLY PROCUREMENT ACTIVITY]	1 LOT	Php2,100,000.00	For a period of One (1) Year commencing from the effectivity date specified in the Notice to Proceed

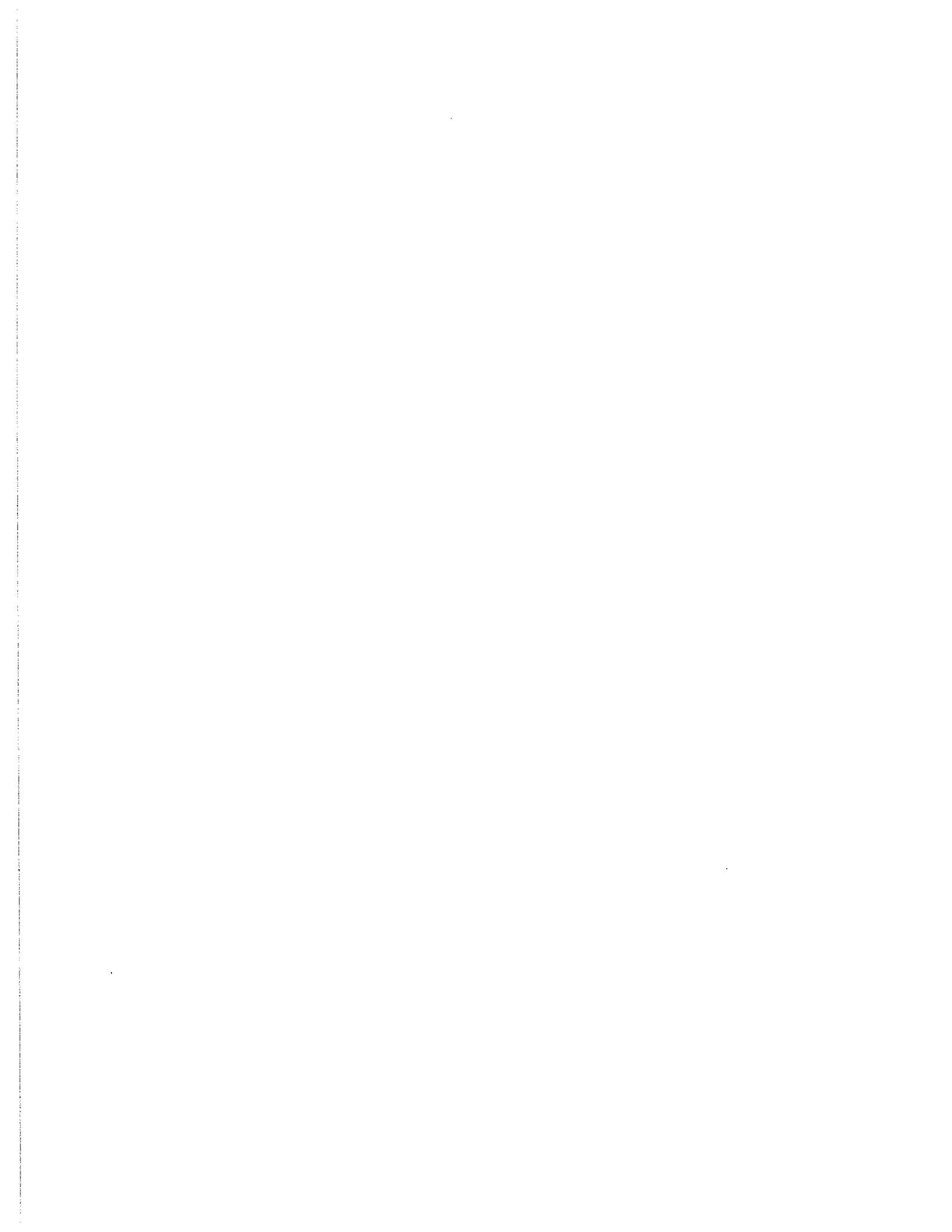
CONFORM


 CONFORME BY: POWER HOUSE PEST CONTROL SERVICES
 ANNA MARIE M. ESCOBER
 GENERAL MANAGER/OWNER

Technical Specifications

Procurement of Pest Control and Disinfection Services (January to December 2023) [Early Procurement Activity]

ITEMS		
I.	Background The Department intends to procure a pest control and disinfection service to ensure that its properties and facilities are free from pests, and the health and welfare of its buildings' occupants are safeguarded.	
II.	Objectives The project involves the extermination of all pests such as but not limited to rats, bugs, vermin, cockroaches, silverfish, ants, flies, wasps and termites that pose harm to the properties, facilities and occupants of the Department's premises. It shall also include control and management of stray animals found inside the premises. Due to the global pandemic the Department needs disinfection services to prevent the spread of Coronavirus disease (COVID-19) within the DFA premises.	
III.	Scope of Works	Statement of compliance
	Pest Control areas of operations shall include the following: <ol style="list-style-type: none"> 1. DFA Main Building and its premises (including Apron building, South Wing Annex, Basement, Sub-basement, Old Authentication Building, Basketball court, Parking Plaza, Sewage Treatment Plant (STP), Garbage Segregation Area, green house and gardens within the DFA premises) <p>Address: 2330 Roxas Blvd., Pasay City Lot Area: 12,200 sq.m. Building Area: 46,550.27 sq.m. No. of floors: 13 floors (North wing), 5 floors (Apron), 6 floors (South Wing Annex) and 2 basements. Basketball court with an area of 1,800 sq.m. Frequency of service: Monday, Wednesday and Friday or as instructed by OAMSS-EMD.</p> 2. DFA OCA-Aseana Building and its premises (including STP). <p>Address: Pres. Diosdado Macapagal Blvd. Corner Bradco Avenue, Aseana Business Park, Brgy. Tambo, Parañaque City Lot Area: 3,269.53 sq.m. Building Area: 7,802 sq.m. No. of floors: 4 floors. Frequency of service: Tuesday, Thursday and Saturday or as instructed by OAMSS-EMD.</p> 	<p style="text-align: center;">"COMPLY"</p> <p style="text-align: center;">"COMPLY"</p>



	<p>3. DFA Baguio Cottage and its premises</p> <p>Address: Leonard Wood Road, Cabinet Hill-Teachers Camp, Baguio City Lot area: 1,194 sq.m. Building area: 598.93 sq.m. No. of floors: 2 floors, 1 basement Frequency of service: Quarterly</p> <p>4. DFA Legazpi Property</p> <p>Address: Southern Homes Subdivision, Lakandula Drive, BrgyCruzada, Legazpi City Lot Area: 398 sq.m. Building Area: 526.75 sq.m. No. of floors: 4 floors Frequency of service: Semi-Annual</p> <p>5. DFA Cagayan de Oro Property</p> <p>Address: Limketkai Drive, LKKS, Lapasan, Cagayan de Oro Lot Area: 1,161sq.m. Building Area: 1,369.31sq.m. No. of floors: 4 floors Frequency Of service: Semi-Annual</p> <p>Disinfection services location</p> <p>1. DFA Main Building and its premises (including Apron building, South Wing Annex, Basement, Sub-basement, Old Authentication Building, Basketball court, Parking Plaza, Sewage Treatment Plant (STP), Garbage Segregation Area, green house and gardens within the DFA premises)</p> <p>Address: 2330 Roxas Blvd., Pasay City Lot Area: 12,200 sq.m. Building Area: 46,550.27 sq.m. No. of floors: 13 floors (North wing), 5 floors (Apron), 6 floors (South Wing Annex) and 2 basements. Basketball court with an area of 1,800 sq.m.</p> <p>2. DFA OCA-Aseana Building and its premises (including STP).</p> <p>Address: Pres. Diosdado Macapagal Blvd. Corner Bradco Avenue, Aseana Business Park, Brgy. Tambo, Paranaque City Lot Area: 3,269.53 sq.m. Building Area: 7,802 sq.m. No. of floors: 4 floors.</p>	<p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p>
--	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------

	<p>3. DFA NCR Consular Offices.</p> <p>The Contractor shall:</p> <p>a. Provide pest control treatment of rats, mice, vermin, silverfish, cockroaches, mosquitoes, ants, flies, wasps and termites including larvicide operations, termite control, fogging, and other similar services at the DFA premises as previously mentioned.</p> <p>b. Provide and furnish all technical services, chemicals, equipment, supervision and other related works necessary for the performance of disinfection services for an aggregate total of One Hundred Thousand (100,000) square meters for DFA Main and One Hundred One Thousand (101,000) square meters for DFA Ascana building and DFA Consular Offices.</p> <p>c. Provide the OAMSS a complete Pest Control plan for the duration of the contract at the beginning of the Contract. This includes the daily, weekly and monthly schedule of activities for major and minor works for the DFA premises as previously mentioned.</p> <p>d. Provide fogging/misting services at the DFA Main Building premises and DFA-OCA Ascana Building twice a month, including floor drains, restrooms, store rooms, conference rooms, ornamental plants and areas with potential harborage. Fogging and misting spray must be non-staining and FDA compliant. Services must be performed on a weekend or long holidays.</p> <p>e. Conduct quarterly inspection and survey of the premises of the DFA Main Building and DFA-OCA Ascana building to search and identify the sources and location of the pest problem and unforeseen breeding sites. Technicians shall be assigned to inspect and conduct pest control in premises as per schedule.</p> <p>f. Provide and apply insecticidal (roach) bait and/or gel near harborage areas such as cracks and crevices, underneath cubicles and tables, electrical wirings, computer units etc. using advance gel abatement.</p> <p>g. Apply insecticide in places and areas where pests crawl, hide and congregate including cracks and crevices as well as undersides of appliances, false ceiling, fixtures and furniture.</p> <p>h. Regularly install and inspect mechanical rat and mouse traps and glue boards around the perimeter area of the building or as requested where poison baits are not appropriate.</p> <p>i. Conduct cleaning operations and ensure proper and sanitary disposal of the exterminated pests and traps.</p>	<p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p>
--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------

	<p>garbage/chemicals. The chemicals should not be disposed of at the Department's garbage disposal and/or drainage area.</p> <p>j. Conduct quarterly technical evaluation and audit on the premises of the DFA Main Building, DFA-OCA Aseana building and the DFA Baguio Cottage by a duly trained and experienced supervisor in the presence of a representative of the Department. The technical evaluation/report shall be submitted to OAMSS and form part of the documentary requirements for payment.</p> <p>k. Bi-monthly proper catching of un-spayed and unneutered cats from the premises of the Department and coordinate with non-Government Organization or equivalent that cater spay and neuter programs for cats. All spayed and neutered cats must be released within the Department's environs.</p> <p>l. Provide monthly written reports to OAMSS on the services rendered within the Department's Main/Ascana buildings and their premises. A quarterly written report shall also be submitted to the Department for the service rendered in the DFA Baguio Cottage. A semi-annual written report shall also be submitted to the Department for the service rendered in the DFA Legazpi and CDO Properties. All reports shall form part of the documentary requirements for payment.</p> <p>m. Secure a Certificate of Appearance and Service Rendered for each visit to provincial properties of the Department. All Certificates shall form part of the documentary requirements for payment.</p>	<p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p>										
<p>IV.</p>	<p>Contractor's obligations The Contractor shall:</p> <p>a. Ensure that all technicians are well-trained and certified by a local pest control association; to report to the Department's duly authorized representative for coordination of schedules of services; and to submit to the latter a Service Acknowledgement Report for signature, as the basis for their regular pest control operations in the Department's building and premises.</p> <p>b. Provide two (2) technicians, for Main building and for OCA-Aseana building. Schedule is as follows:</p> <table border="1" data-bbox="560 1738 1159 1913"> <thead> <tr> <th>Area</th> <th>Shift</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td rowspan="3">DFA Main building (Monday, Wednesday, Friday and Saturday)</td> <td>1st shift</td> <td>8:00 am - 5:00pm</td> </tr> <tr> <td>2nd shift</td> <td>11:00 am - 8:00pm</td> </tr> <tr> <td>1st shift</td> <td>8:00 am - 5:00pm</td> </tr> </tbody> </table>	Area	Shift	Time	DFA Main building (Monday, Wednesday, Friday and Saturday)	1st shift	8:00 am - 5:00pm	2nd shift	11:00 am - 8:00pm	1st shift	8:00 am - 5:00pm	<p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p>
Area	Shift	Time										
DFA Main building (Monday, Wednesday, Friday and Saturday)	1st shift	8:00 am - 5:00pm										
	2nd shift	11:00 am - 8:00pm										
	1st shift	8:00 am - 5:00pm										

	DFA Ascana building (Tuesday and Thursday)	2nd shift	11:00 am - 8:00pm	"COMPLY"
	Technicians must coordinate with and report immediately to the Engineering and Maintenance Division (EMD) for completion of Service Requests.			"COMPLY"
	c. Provide fogging and misting schedules in a formal letter submitted to OAMSS – EMD for approval and dissemination.			"COMPLY"
	d. Coordinate with OAMSS-EMD on the schedule and area for the disinfection services			"COMPLY"
	e. Ensure that all service technicians are in proper uniform and must wear their company ID cards at all times while inside DFA premises.			"COMPLY"
	f. Ensure compliance with DOLE rules and regulations on labor.			"COMPLY"
	g. Provide in the financial bid breakdown of bid offer using format of Annex C.			"COMPLY"
V.	Contractor's qualifications:			
	a. The Contractor must be an existing agency offering pest control services for at least four (4) years from the deadline of submission of bids.			"COMPLY"
	b. The Contractor must be an accredited member of any local pest control association (e.g. Pest Control Association of the Philippines (PCAP) or equivalent).			"COMPLY"
	c. The Contractor must possess the most recent FDA certifications for the chemicals and solutions to be used			"COMPLY"
	d. The Contractor must have experience for disinfection services to hospitals and government facilities.			"COMPLY"
VI.	Equipment and Supplies: The Contractor shall provide Pest Control and Disinfection Equipment and Supplies as listed in Annex A.			"COMPLY"
VII.	Safety measures in using pesticide, termiticide and disinfection chemicals/solutions The Contractor shall:			"COMPLY"
	a. Rid the premises of unwanted odor and control all kinds of pollution related to fogging/misting.			"COMPLY"
	b. Protect premises from harmful effects of pesticide and termiticide residues during and after the conduct of pest control services			"COMPLY"

	<p>c. Ensure that all chemical/solutions to be used in the Department shall not pose any health hazards to the occupants of the building.</p> <p>d. Use an all-natural multi-purpose disinfection solution on all surfaces to effectively disinfect and eliminate bacteria, fungi, virus and salmonella on contact. For the safety of DFA personnel and clients, twelve (12) to twenty-four (24) hours of grace period after completion of disinfection services will be observed.</p> <p>e. Follow all safety precautions in the application and handling of all pesticide and termiticide chemical/solutions or baiting systems.</p> <p>f. Submit a certificate of product registration from the Food and Drug Administration (FDA) and/or the Fertilizer and Pest Authority (FPA) of all the chemicals used for the pest control and disinfection services.</p> <p>g. Provide Personal Protective Equipment (PPE) to technicians during operations.</p>	<p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p>
VIII.	<p>Increase of wage, premium/contribution, overtime payment and other miscellaneous expenses. The Contractor must include in the bid proposal/cost breakdown contingencies (included in the bid proposal of maximum contingency of 5%) for wage increase, premium/contribution increase, overtime payment and other miscellaneous expenses for the duration of the contract. Submit during the contract duration cost breakdown and justifications for payment requirements.</p>	<p>"COMPLY"</p> <p>"COMPLY"</p>
IX.	<p>COVID19 prevention and safety during operations: The Contractor shall:</p> <ol style="list-style-type: none"> 1. Ensure that assigned personnel are fully vaccinated (with booster dose) and COVID-19 free before entering the premises; 2. Ensure that assigned personnel observe IA'IF prescribed safety protocols (ie. face mask, and observe social distancing) within the DFA premises and comply with DFA security requirements; 3. Provide its personnel isopropyl alcohol and hand soap for personal hygiene; 4. Ensure that personal protective equipment used by Department as well as service provider personnel are 	<p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p>

	disposed of separately from other waste products through the use of color coded trash bins; and	"COMPLY"
X.	<p>Schedule of Requirements:</p> <p>A. The Contract shall be in full force and in effect from 01 January 2023 to 31 December 2023. The Contractor shall provide the services within seven (7) calendar days from receipt of the Notice to Proceed (NTP).</p> <p>B. Fogging/misting schedule:</p> <p>a. Twice a month fogging/misting for DFA Main Building (including Main building, Apron building, South Wing Annex, Basement, Sub-basement, Old authentication building, Basketball court, Parking Plaza, Sewage Treatment Plant, garbage segregation area, green house and gardens within the DFA premises)</p> <p>b. Twice a month fogging/misting for DFA OCA-Aseana Building and its premises.</p> <p>c. Quarterly fogging/misting for DFA Baguio Cottage.</p> <p>d. Semi-annual fogging/misting for Logazpi and Cagayan De Oro properties</p> <p>C. Disinfection schedule:</p> <p>a. Coordinate with OAMSS-EMD for the schedule of disinfection services</p> <p>b. OAMSS-EMD will provide the location and area in square meters for the disinfection operations.</p>	<p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p> <p>"COMPLY"</p>
XI.	<p>DFA Main Building Retrofitting</p> <p>The Department reserves the right to amend and revise the Contract in the event that the retrofitting of the DFA Building commences during the contract period.</p>	"COMPLY"
XII.	<p>Confidentiality Clause</p> <p>The Contractor shall ensure that each of its personnel assigned to the Department shall execute and sign a Non-Disclosure Agreement which is to be submitted to the Department prior to the commencement of the service.</p>	"COMPLY"
XIII.	<p>Terms of Payment</p> <p>a) The Contractor shall submit monthly billings on the first week of the following month, based on consumption of supplies and services rendered.</p>	"COMPLY"

	b) Payments shall be made thirty (30) working days upon receipt of the monthly invoice with complete requirements through List of Due and Demandable Accounts Payable (LDDAP).	"COMPLY"
	c) The payment shall be inclusive of all applicable taxes and other lawful charges.	"COMPLY"

Note.

Bidders must state compliance to each of the provisions in the Terms of Reference/Technical Specifications, as well as to the Schedule of Requirements. The Statement of Compliance must be signed by the authorized representative of the Bidder, with proof of authority to sign and submit the bid for and on behalf of the Bidder concerned. If the Bidder is a joint venture, the representative must have authority to sign for and on behalf of the partners to the joint venture. All documentary requirements should be submitted on or before the deadline for the submission of bids.

Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a)(ii) and/or GCC Clause 2.1(a)(ii).

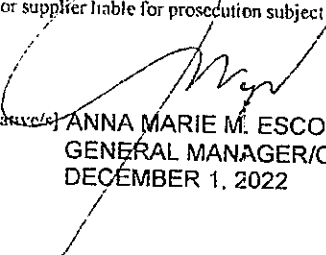
Conforme:

[Signature/s]

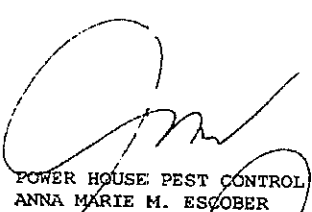
[Name of the Bidder/ Bidder's Authorized Representative/s]

[Position]

[Date]


ANNA MARIE M. ESCOBER
GENERAL MANAGER/OWNER
DECEMBER 1, 2022

CONFORME BY :


POWER HOUSE PEST CONTROL SERVICES
ANNA MARIE M. ESCOBER
GENERAL MANAGER/OWNER

Annex A

The Contractor shall provide the following Pest Control and Disinfection Equipment

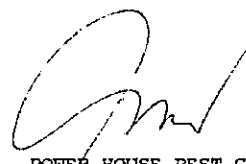
	Equipment	Unit	Quantity
1.	Fogging machine	Set	One (1)
2.	Knapsack Sprayer	Set	One (1)
3.	Ladder (5ft.)	Pieces	One (1)
4.	Push Cart	Piece	One (1)
5.	Caution Sign	Pieces	Two (2)
6.	Complete Personal Protective Equipment during fogging and/or misting operations: a) Respirator b) Safety goggles or face shield c) Safety boots d) Gloves e) Long sleeved shirts and long pants f) Chemical resistant category gloves g) Waterproof hat and neck covering	Sets	Two (2)
7.	Hard hats with LED lights	Pieces	Two (2)
8.	Flashlights	Pieces	Two (2)
9.	Portable sterilization Fogger Disinfection sprayer electronic ignition set 0.9 Liter	Unit	One (1)



Annex B

The Contractor shall provide the following Pest Control and Disinfection Supplies and services during contract duration.

	Consumables	Quantity	Unit
1.	Reusable steel rat cage/trap (dimension 13x6x6 inches)	110	pieces
2.	Rat/Mice Glue 400 grams (Odorless)	30	cans-400 grams
3.	Chemical (Odorless) for killing/repelling crawling insects	13	liters
4.	Pyrethroid	34	liters
5.	Termiticide solution	7	liters
6.	Disinfectant deodorizer air spray	28	tubes
7.	Plastic bags (biodegradable), extra thick	84	pieces
8.	Heavy duty gloves	11	pairs
9.	Disposable Surgical mask (50 pieces per box)	11	box
10.	Cockroach Killing Gel 12 grams (no odor and Bayer or its equivalent)	20	units
11.	Cockroach Killer spray (Kills Cockroaches and eggs) 500ml (430g) (Baygon or its equivalent)	30	500ml
12.	Face mask (for personnel use)	5	box (50pc/box)
13.	Isopropyl Alcohol 70% (for personnel use)	1	gal
14.	Catch, spay/neuter and release of stray cats	30	per cats





This certifies that

POWER HOUSE PEST CONTROL SERVICES

2422 R. FERNANDEZ ST., GAGALANGIN
TONDO, METRO MANILA

is a business name registered in this office pursuant to the provisions of Act 3883, as amended by Act 4147 and Republic Act No. 863, and in compliance with the applicable rules and regulations prescribed by the Department of Trade and Industry.

This certificate issued to

ANNA MARIE GODOY MENDOZA

is valid from December 9, 2003 to December 9, 2008 subject to continuing compliance with the above-mentioned laws and all applicable laws of the Philippines, unless voluntarily cancelled.

In testimony whereof, I hereby sign this

**Certificate of
Business Name Registration**

and issue the same on this 9th day of DECEMBER 2003, in MAKATI CITY, Philippines.


LUWINA S. ENECIO
DTI-NCR Regional Director

Certificate No. 00244622

This certificate is not a license to engage in any kind of business and valid only at the place indicated herein.

TRN 322434





This certifies that

POWER HOUSE PEST CONTROL SERVICES

2422 R. FERNANDEZ ST., GAGALANGIN
TONDO, METRO MANILA

is a business name registered in this office pursuant to the provisions of Act 3883, as amended by Act 4147 and Republic Act No. 863, and in compliance with the applicable rules and regulations prescribed by the Department of Trade and Industry.

This certificate issued to

ANNA MARIE MENDOZA ESCOBER

is valid from December 10, 2008 to December 10, 2013 subject to continuing compliance with the above-mentioned laws and all applicable laws of the Philippines, unless voluntarily cancelled.

In testimony whereof, I hereby sign this

**Certificate of
Business Name Registration**

and issue the same on this 10th day of DECEMBER 2008, in MAKATI CITY, Philippines.


Asec. MA. THERESA L. PELAYO
DTI - NCR Regional Caretaker

Certificate No. 00591292

This certificate is not a license to engage in any kind of business and valid only at the place indicated herein.

TRN 2141206



CERTIFICATION

TO WHOM IT MAY CONCERN:

This is to certify that the available records of this office show the registration under Act No. 3883 as amended, otherwise known as the Business Name Law, of the following business name:

POWER HOUSE PEST CONTROL SERVICES

National

Business Location :
Type of Ownership : Sole Proprietorship
Date Registered : 10-Dec-2013
Expiry Date : 10-Dec-2018
Certificate Number : 03029111
Name of Owner : ANNA MARIE MENDOZA ESCOBER
Nationality : Filipino
Owner Address : 2422 R. FERNANDEZ ST., GAGALANGIN,, TONDO I/II NCR,
CITY OF MANILA. FIRST DISTRICT, NATIONAL CAPITAL
REGION (NCR)

This Certification is issued to the requesting party for whatever legal purpose it may serve him/her.

Done in the Philippines, this 28th day of October 2014.


GREGORY L. DOMINGO
Secretary

TRN 6502888

Republic of the Philippines
Department of Budget and Management
PROCUREMENT SERVICE
CERTIFICATE OF PHILGEPS REGISTRATION
(Platinum Membership)

THIS IS TO CERTIFY THAT

POWER HOUSE PEST CONTROL SERVICES
2422 R FERNANDEZ ST GAGALANGIN TONDO MANILA .
Manila , Metro Manila , NCR , Philippines

is registered in the *Philippine Government Electronic Procurement System (PhilGEPS)* on 11-Dec-2003 pursuant to Section 8.5.2 of the Revised Implementing Rules and Regulations of Republic Act No. 9184, otherwise known as the Government Procurement Reform Act.

This further certifies that **POWER HOUSE PEST CONTROL SERVICES** has submitted the required eligibility documents in the PhilGEPS Supplier Registry as listed in Annex A, which document is attached hereto and made an integral part hereof.

For the purpose of updating this Certificate, all Class "A" eligibility documents covered by Section 8.5.2 of the Revised Implementing Rules and Regulations of Republic Act No. 9184 supporting the veracity, authenticity and validity of this Certificate shall remain current and updated. The failure by the prospective Bidder to update this Certificate with the current and updated Class "A" eligibility documents shall result in the automatic suspension of its validity until such time that all of the expired Class "A" eligibility documents has been updated.

By submitting this Certificate, the Bidder certifies:

1. the authenticity, genuineness, validity, and completeness of the copy of the original eligibility documents submitted;
2. the veracity of the statements and information contained therein;
3. that the Certificate is not a guaranty that the named registrant will be declared eligible without first being determined to be such for that particular bidding, nor is it an evidence that the Bidder has passed the post-qualification stage; and
4. that any finding of concealment, falsification, or misrepresentation of any of the eligibility documents submitted, or the contents thereof shall be a ground for disqualification from further participation in the bidding process, without prejudice to the imposition of appropriate administrative, civil and criminal penalty in accordance with the laws.

This Certificate is valid until 12-Feb-2023

Issued this 12th day of January 2022.
This is a system generated certificate. No signature is required.

[Handwritten Signature]
CERTIFIED TRUE COPY
POWER HOUSE PEST CONTROL SERVICES

ANNA MARIE M. ESCOBAR
GENERAL MANAGER/OWNER

2422 R. FERNANDEZ ST., GAGALANGIN TONDO, MANILA
7506-1110, 0350-41097, 054-1615052-1698/0915-4448197

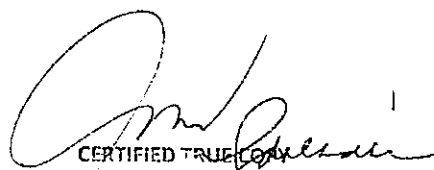
www.philgeps.gov.ph



Documentary Stamp Tax Paid Php 30.00
Certificate Reference No: 20031221611382172396
Amended Date as of October 25, 2022 5:05 PM

REMINDERS ¹

- *The PhilGEPS office shall not determine the eligibility of merchants. The PhilGEPS office's evaluation of the eligibility requirements shall be for the sole purpose of determining the approval or disapproval of the merchant's application for registration.*
- *A merchant's registration and membership in the GOP-OMR is neither contract-specific nor understood to be tantamount to a finding of eligibility. Neither shall the merchant's successful registration in the GOP-OMR be relied upon to claim eligibility for the purpose of participation in any public bidding.*
- *The determination of the eligibility of merchants, whether registered with the GOP-OMR or not, shall remain with the Bids and Awards Committee (BAC). The BAC's determination of validity of the eligibility requirements shall be conclusive to enable the merchant to participate in the public bidding process.*


CERTIFIED TRUE COPY
POWER HOUSE PEST CONTROL SERVICES
ANNA MARIE M. ESLOBER
GEN. MGR./OWNER
2422 R. FELICIANO ST., GAGALANGIN TONDO, MANILA
7508-4248/8354-4215/8354-4615/8361-1698/0915-448197
powerhousepestcontrol@gmail.com

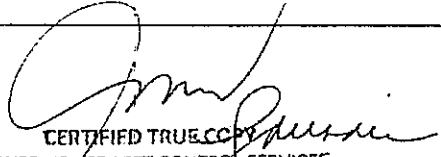
Certificate Reference No: 20031221611382172396
Amended Date as of October 25, 2022 5:05 PM

"Annex A"

List of Eligibility Documents

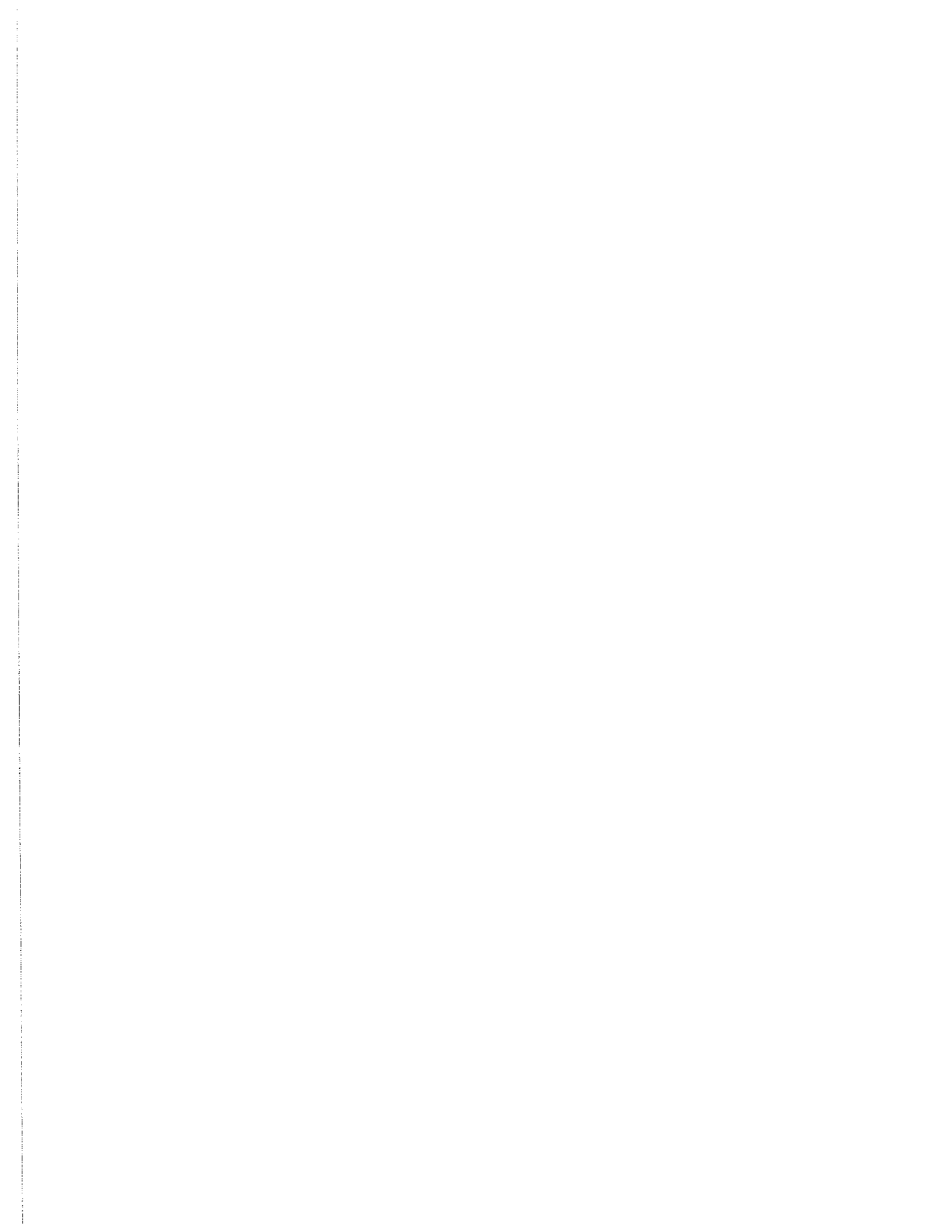
of
POWER HOUSE PEST CONTROL SERVICES
2422 R FERNANDEZ ST GAGALANGIN TONDO MANILA ,
Manila , Metro Manila , NCR , Philippines

DTI Certificate	DTI Certificate Number : 05633596 Issued By / Signatory : RAMON M LOPEZ Registration Date : 22-Nov-2018 Expiration Date : 10-Dec-2023
Mayors Permit	Expiration Date : 31-Dec-2022 Permit Number : 2022000739 Place of Issue : MANILA Issued By / Signatory : BERNARDITO C. ANG Issuance Date : 11-Apr-2022
Tax Clearance	Expiration Date : 25-Oct-2023 TCC Number : 06-029-10-25-R1270-2022-M Issued By / Signatory : ENRIQUE REMIGIO Z. GATCHALIAN Issuance date : 25-Oct-2022
Audited Financial Statement	Date of Filing : 18-Apr-2022 Current Asset : 5,603,505.00 Total Asset : 7,180,332.00 Current Liabilities : 236,018.00 Total Liabilities : 236,018.00 Name of Auditor : NONITA A. DELA PAZ BIR RDO Code : 029
PCAB License	Expiration Date : - Issued By / Signatory : Issuance Date : - License Number : License First Issue Date : - Principal Classification : Category :


CERTIFIED TRUE COPY
POWER HOUSE PEST CONTROL SERVICES
RAMON M. ESCOBAR
GENERAL MANAGER/OWNER

Certificate Reference No: 20031221611382172396
Amended Date as of October 25, 2022 5:05 PM

2422 P. FERNANDEZ ST. GAGALANGIN TONDO, MANILA
7505-4248/8354-1212 Fax: 3615-8861-1582/0915-4448197
Page 3 of 3





DEPARTMENT OF LABOR AND EMPLOYMENT

This

CERTIFICATE OF REGISTRATION

Numbered NCR-MFO-01533- **051719-041-R**
(formerly NCR-MFO-01533-061517-039-N)
TIN 900-164-810-000

issued to

POWER HOUSE PEST CONTROL SERVICES
2422 R. Fernandez St., Gagalangin, Tondo, Manila

for having complied with the requirements as provided for under the Labor Code, as amended, and its Implementing Rules and having paid the registration fee in the amount of **ONE HUNDRED THOUSAND (100,000.00) PESOS** per Official Receipt Number **2245968** dated **May 28, 2019**

In witness whereof, and by authority vested in me by the Labor Code, as amended, and its implementing Rules specifically **Department Order No. 174, Series of 2017** entitled Rules Implementing Articles 106 to 109 of the Labor Code, As Amended, I have hereunto set my hand and affixed the Official Seal of the National Capital Region, Department of Labor and Employment, Malate, Manila on this 17th day of **May 2019**

This Certificate of Registration shall be valid until **May 16, 2021** subject for renewal every two (2) years based on Section 20 of the Department Order No. 174, Series of 2017.

MAY 17 2019

Ma C. Dione
ATTY. ANA C. DIONE, CPA
Regional Director

NOT VALID AS PRIVATE EMPLOYMENT AGENCY LICENSE

POWER HOUSE PEST CONTROL SERVICES
2422 R. FERNANDEZ ST. GAGALANGIN TONDO, MANILA



KAPISANAN NG MGA PEST CONTROL OPERATORS SA PILIPINAS, INC.

KAPESTCOPI, INC.

Quezon City, Philippines



LEVEL 1

This CERTIFICATE OF TRAINING

is presented to

ANNA MARIE M. ESCOBER

POWER HOUSE PEST CONTROL SERVICES

For having actively participated in the organization's
PROFESSIONAL DISINFECTION TRAINING live via Zoom
covering the topics of Disinfection, Disinfection in the Philippines,
Covid-19, Disinfectants, Disinfection process and many others.

Given this 29th day of July, 2020.

(Sgd.) Alfredo T. Gonzalez
Resource Speaker



Eric John V. Madinay
President



(Sgd.) Carl Johnjay Ayen
Resource Speaker



**This certificate is a controlled document and not valid if tampered or used in illegal activities.*



Fertilizer and Pesticide Authority - Accredited Training Association
Training and Industry Partner of the Central Luzon State University



**Pest Control Association
of the Philippines, Inc (PCAP)**

Certificate of Completion


This is to certify that

Vergel Pasco

is completed virtual Technician's Refresher Course with the topics *(1) Insect Biology and Implementation; and (2) IPM as a pre-requisite to HACCP.*

Given this 8th day of March 2022 via zoom.


JESUS M. ASISTIN
President


CATHERINE M. BAISAS
Training Education Committee,
Chair


KATRINA BUENVIDA
Speaker


ROMMEL GEROODIAS
Speaker

**Pest Control Association
of the Philippines, Inc (PCAP)**

Certificate of Completion


This is to certify that

Francisco Perez

as completed virtual Technician's Refresher Course with the topics *(1) Insect Biology and Implementation; and (2) IPM as a pre-requisite to HACCP.*

Given this 8th day of March 2022 via zoom.


JESUS M. ASISTIN
President


CATHERINE M. BAISAS
Training Education Committee,
Chair


KATRINA BUENVIDA
Speaker


ROMMEL GEROODIAS
Speaker

**Pest Control Association
of the Philippines, Inc (PCAP)**

Certificate of Completion


This is to certify that

Angelito Fernandez

has completed virtual Technician's Refresher Course with the topics *(1) Insect Biology and Implementation; and (2) IPM as a pre-requisite to HACCP.*

Given this 8th day of March 2022 via zoom.


JESUS M. ASISTIN
President


CATHERINE M. BAISAS
Training Education Committee,
Chair


KATRINA BUENVIDA
Speaker


ROMMEL GEROODIAS
Speaker



**Pest Control Association
of the Philippines, Inc (PCAP)**


Certificate of Completion


This is to certify that

John Henry Cruz

has completed virtual Technician's Refresher Course with the topics **(1) Insect Biology and Implementation; and (2) IPM as a pre-requisite to HACCP.**

Given this 8th day of March 2022 via zoom.


JESUS M. ASISTIN
President


CATHERINE M. BAISAS
Training Education Committee,
Chair


KATRINA BUENVIDA
Speaker


ROMMEL GEROODIAS
Speaker

**Pest Control Association
of the Philippines, Inc (PCAP)**

Certificate of Completion


This is to certify that

Archie De Jesus

is completed virtual Technician's Refresher Course with the topics *(1) Insect Biology and Implementation; and (2) IPM as a pre-requisite to HACCP.*

Given this 8th day of March 2022 via zoom.


JESUS M. ASISTIN
President


CATHERINE M. BAISAS
Training Education Committee,
Chair


KATRINA BUENVIDA
Speaker


ROMMEL GEROODIAS
Speaker

**Pest Control Association
of the Philippines, Inc (PCAP)**

Certificate of Completion


This is to certify that

Vincent Andrei Padillo

is completed virtual Technician's Refresher Course with the topics *(1) Insect Biology and Implementation; and (2) IPM as a pre-requisite to HACCP.*

Given this 8th day of March 2022 via zoom.


JESUS M. ASISTIN
President


CATHERINE M. BAISAS
Training Education Committee,
Chair


KATRINA BUENVIDA
Speaker


ROMMEL GEROODIAS
Speaker



POWER HOUSE PEST CONTROL SERVICES
CERTIFICATE OF ATTENDANCE

is hereby given to

MARK DRIVEN J. QUIDDAOEN

For having attended and actively participated during the company's training entitled

"INTEGRATED PEST MANAGEMENT – BEST TECHNIQUE OF CONTROLLING PEST"

Held at PHPCS Training Room, Gagalangin, Tondo, Manila

On March 9, 2020.

ANNA MARIE M. ESCOBER
Certified Pesticide Applicator

REGISTRATION NUMBER: FDA-009325
F00 201879224134670244124134



Republic of the Philippines
Department of Health
FOOD AND DRUG ADMINISTRATION



CERTIFICATE OF PRODUCT REGISTRATION

Pursuant to the provision of R.A. 9711 otherwise known as "Food and Drug Administration (FDA) Act of 2009" and its implementing rules and regulations, Presidential Decree 981 and Administrative Order 303 s. 1976, the product described hereunder has been found to conform with the requirements and standards for marketing authorization of household urban sanitary products per existing regulations in force as of date hereof.

Registration Number : 009325
Product Name : SENSITIVE WASH
Active Ingredients : Water
Intended Use : To improve
Packaging : 400g
Manufacturer/Repacker : F. J. Smith Chemicals Industries Co., Ltd.
414/415/1 Samsongwong Road, Tambon Saladaeng, Amphur
Bungamwong, Thachoenphan Province, Bangkok, Thailand
Importer/Distributor : PHILIPPOSA Sales Inc.
222 11th Ave. N. Barrera, Malibon City

The marketing authorization shall be valid for 5 (five) years and shall expire on 27 June 2023 subject to the good manufacturing practices.

No change in the composition, formula and commercial presentation of the product shall be made as long as it continues to conform to the requirements without prior written approval of the Office.

This marketing authorization is subject to suspension, cancellation or recall should any violation of Republic Act 9711, Presidential Decree 981 and/or regulations issued thereunder involving the product be committed.

WITNESS MY HAND and the seal of the Office, 13th day of August 2018

BY AUTHORITY OF THE DIR, FOR GENERAL:

ENGR. ANA TRINIDAD E. RIVERA, MS
Executive Director for Planning, Regulation and Research

Reg. Status : Registered
INS : 1412-18111000
C.O. No. : 13724
Assessment : 100%
Date : 11/18/2018

FDA-009325

MATERIAL SAFETY DATA SHEET

Information on this form is prepared to the requesting party as a customer service and is not to be used for any other purposes.

Customer _____

PART I. Product Description

Manufacturer name: RJ London Chemicals Industries Co., Ltd. Telephone
Address: Bangna-Pruek, Chachoengsao, 24000, Thailand
Product Name: Rat Glue
Product Class: Glue for Trapping Rat

PART II. Composition / Information On Ingredients

Composition	WT./WT. % Range
Synthetic Rubber Oil	80 - 85 %
Latex	10 - 15 %
Preservatives	0.05 - 0.10 %

PART III. Physical Data

Appearance	Greenish - Yellow Glutinous Rubber i
Smell	None (Slightly Ammonia)
Specific Gravity (Kg/l) H ₂ O=1	0.880 - 0.950
%Volatile by weight	90 - 95
Flash Point (°C, DENISO 3679)	>300°F
Solubility in Water	Insoluble

PART IV. EFFECTS OF OVEREXPOSURE

Acute Effects

Emergency Overview	Caution! May cause eye and skin irritation
Eye	May cause eye irritation
Skin	Prolonged or repeated contact may cause irritation
Inhalation	Vapor may cause nose and throat irritation

PART V. FIRST AID MEASURES

Eye	Immediately flush with large quantities of water until irritation subsides
Skin	Cleaned up with kerosene and wash with soap and water
Inhalation	Remove to fresh air.
Oral	Do not induce vomiting.
Comments	Call physician if irritations arise from any of the above routes of entry
Remarks	Products can be cleaned up with kerosene

PART VI. FIRE FIGHTING MEASURES

Flash Point (Closed Cup) >300°F

Autoignition Temperature	Not Determined
Flammability Limits in Air	Not Determined
Extinguishing Media	Carbon dioxide (CO ₂); Water (Water fog; or spray); Dry chemical form
Incompatible Extinguishing Media	None
Fire Fighting Procedures	Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals
Unusual Fire Hazards	None

PART VII. ACCIDENTAL RELEASE MEASURES

Containment/Clean-up	Disposal of collected product, residues, and clean up materials may be governmentally regulated. Observe all applicable local, state, and federal waste management regulations. Mop up, wipe up, or soak up with absorbent and place in appropriate containers to keep material from spreading.
----------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

PART VIII. HANDLING AND STORAGE

Precaution should be taken in handling and storing.
 Keep containers from excessive heat and freezing. Do not store above 120°F.
 Keep away from open flame.
 Keep Out Of Reach Of Children.
 Avoid prolonged or repeated contact with skin. Avoid contact with eyes.
 This product is stable under normal storage conditions.

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not be construed as guaranteeing specific properties of the products described or their suitability for a particular application. This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe procedures are believed to be generally applicable. However, each user should review the recommendations in specific context of the intended use and determine if they are appropriate.



Republic of the Philippines
Department of Health
FOOD AND DRUG ADMINISTRATION



CERTIFICATE OF PRODUCT REGISTRATION

Pursuant to the provision of R.A. 9711 otherwise known as "Food and Drug Administration (FDA) Act of 2009" and its implementing rules and regulations, Presidential Decree 881 and Administrative Order No. 2019-0008, the product described hereunder has been found to conform with the requirements and standards for marketing authorization of household urban pesticide products per existing regulations in force as of date hereof.

Registration Number : HSR-8188
Product Name : CYFLUX 5 EW
Active Ingredient/s : Cyfluthrin 5% w/v
Intended Use : For the control of mosquito, cockroach, and rice weevil
User Category : For Professional Use
Packaging : 1 Liter HDPE Bottle
Manufacturer : Jiangsu Gongcheng Bio-Tech Co., Ltd.
No. 1 Fifth Huanghai Road, Yangkou Chemical Industry Zone,
Rudong County, Nantong City, Jiangsu Province, PR. China
Distributor : Novicide, Inc.
G/F 2410 Belarmino St., Bangkal, Makati City, Makati, Metro
Manila
Source : Ningbo Huili Import and Export Co., Ltd.
Room 701, No. 146, Huaishu Road, Jiangbei District, Ningbo,
Zhejiang, China

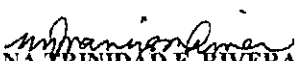
The marketing authorization shall be valid for 5 years and shall expire on 24 March 2027 subject to the conditions listed on the reverse side.

No change in the formulation, labeling and commercial presentation of this product shall be made at any time during the effectivity of this registration without prior written approval of this Office.

This marketing authorization is subject to suspension, cancellation or recall should any violation of Republic Act 9711, Presidential Decree 881 and/or regulations issued thereunder involving the product be committed.

WITNESS MY HAND and the Seal of this Office, 25th day of March 2022.

BY AUTHORITY OF THE DIRECTOR GENERAL:


ENGR. ANA TRINIDAD F. RIVERA, MSc
Director IV, Center for Cosmetics and Household/Urban Hazardous Substances
Regulation and Research

CONDITIONS:

- A- Name, complete address and contact information of the market authorization holder (MAH) must appear on the label.
- B- Registration Number must appear on the label as HSR-8188.
- C- Net content expressed in metric unit must appear on the label.
- D- DIRECTION FOR USE, must appear on the label.
- E- Product or User Category: For Professional Use must appear on the label.
- F- The following Globally Harmonized System of Classification and Labelling of Chemicals (GHS) label elements (health hazards, environmental hazards and physical hazards) must be printed on the label:
 - Color Band: Yellow
 - Pictogram: Environmental Hazard, Skull and Crossbones
 - Signal Word: Danger
 - Hazard Statements: Harmful if swallowed. Causes skin irritation. Causes eye irritation. Toxic if inhaled. May cause respiratory irritation. Very toxic to aquatic life with long lasting effects.
 - Precautionary Statements:
 - P102: Keep out of reach of children.
 - P261: Avoid breathing fumes, mists, vapours or spray.
 - P264: Wash contacted areas thoroughly after handling.
 - P270: Do not eat, drink or smoke when using this product.
 - P271: Use only outdoors or in a well-ventilated area.
 - P280: Wear protective gloves, protective clothing and eye or face protection.
 - P312: Call a POISON CENTRE or doctor if you feel unwell.
 - P316: Get emergency medical help immediately.
 - P362: Take off contaminated clothing and wash before reuse.
 - P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 - P302+P352: IF ON SKIN: Wash with plenty of soap and water.
 - P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P332+P313: If skin irritation occurs: Get medical advice.
 - P337+P313: If eye irritation persists: Get medical advice.
 - P391: Collect spillage.
 - P370+P378: Not combustible. Use extinguishing media suited to burning materials.
 - P402+P404: Store in a dry place. Store in a closed container.
 - P403+P235: Store in a well-ventilated place. Away from direct sunlight and cooler location.
 - P405: Store locked up.
 - P501: Dispose of contents and containers as specified on the registered label.
 - Others: _____
- G- Submit final printed label and commercial sample within six (6) months from receipt of this initial/renewal registration.
- H- In case there are gaps found upon the bio-efficacy data, marketing authorization will be for outright cancellation.
- I- In case of banning of the ingredients, marketing authorization will be for outright cancellation.

SPECIAL CONDITION:

The registration of the product herein granted shall not be interpreted or construed as an endorsement or representation by FDA, that Registrant has the right or privilege to the use of the name or brand so registered. Registrant hereby agree and affirm to indemnify and/or hold FDA free and harmless against any and all third-party claims on infringement of patent, trademark or intellectual property rights arising from the registration of product(s) listed on the other side hereof.

Product Name: CYFLUX 5 EW Insecticide

Page: 1 of 7

This version issued: March 2022

Section 1 - Identification of The Material and Supplier

Registrant & Importer
NOVICIDE Inc.
G/F 2410, BELARMINO ST.
BANGKAL, MAKATI CITY
Phone: 02 8845-2848

Manufactured by
Jiangsu Gongcheng Bio-Tech Co Ltd
Rudong Country, Nantong City
Jiangsu Province
P.R China

Chemical nature: Cyfluthrin based pyrethroid insecticide.

Trade Name: Cyflux 5 EW Residual Insecticide

Product Code: HSR No.

Product Use: For the control of Mosquito, Cockroach and Rice weevil in Household and Commercial Establishments

Creation Date: Aug 2021

This version issued: March, 2022 and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Xn, Harmful. Xi, Irritating. N, Dangerous to the environment.

Risk Phrases: R50, R22, R36/38. Very toxic to aquatic organisms. Harmful if swallowed. Mild irritating to eyes and skin.

Safety Phrases: S20, S36, S37, S24, S26, S28, S45, S61, S37/39, S61. When using, do not eat or drink.

Wear suitable protective clothing. Wear suitable gloves. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. After contact with skin, wash immediately with plenty of soap and water. Wear suitable gloves. Wear eye/face protection. Avoid release to the environment. Refer to special instructions/safety data sheet.

SUSMP Classification: S6

ADG Classification: None allocated. Not a Dangerous Good under the ADG Code, IATA or IMDG/IMSBC criteria.

UN Number: None allocated

HS Code: 3808.91

GHS Classification

Flammable liquid: Category 4

Acute toxicity (oral): Category 4

Acute toxicity (dermal): Category 5

Acute inhalation: Category 3

Hazard to aquatic environment: Acute 1

Hazard to aquatic environment: Chronic 1



GHS Signal word: DANGER

Hazard statement:

H302: Harmful if swallowed.

H315: Causes skin irritation.

H320: Causes eye irritation.

H332: Toxic if inhaled.

H335: May cause respiratory irritation.

H400 Very toxic to aquatic life

H410: Very toxic to aquatic life with long lasting effects

Product Name: CYFLUX 5 EW Insecticide

Page: 2 of 7

This version issued: March 2022

Prevention:

- P102: Keep out of reach of children.
- P261: Avoid breathing fumes, mists, vapours or spray.
- P264: Wash contacted areas thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area
- P280: Wear protective gloves, protective clothing and eye or face protection.
- P316 Get emergency medical help immediately,
- P405 Store locked up

Response

- P312: Call a POISON CENTRE or doctor if you feel unwell.
- P362: Take off contaminated clothing and wash before reuse.
- P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313: IF SKIN IRRITATION OCCURS: Get medical advice.
- P337+P313: IF EYE IRRITATION PERSISTS: Get medical advice.
- P391: Collect spillage.
- P370+P378: Not combustible. Use extinguishing media suited to burning materials.

Storage

- P402+P404: Store in a dry place. Store in a closed container.
- P403+P235: Store in a well-ventilated place. Away from direct sunlight and cooler location.

Disposal

- P501: Dispose of contents and containers as specified on the registered label.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc w/v%	ADI	NOEL*
Cyfluthrin	68359-37-5	5	0.02 mg/kg/day	6.21 mg/kg/day
Polyoxyethylene lauryl ether	9002-92-0	12	-	390 mg/kg bw/day
Glycerol	56-81-5	35	-	4800mg/kg bw/day
S-150	64742-94-5	15	-	4 mg/kg bw/day
Water	7732-18-5	up to 100	-	-

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5-day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

*Sub chronic 90-day oral

Section 4 - First Aid Measures

General Information:

Call The National Poison Control and information Service, c/- Philippines General Hospital - Emergency Nos: 8524-1078 / 8521-8450 local 2311 if you feel that you may have been poisoned or irritated by this product. Have this SDS with you when you call or visit.

Inhalation: If symptoms of poisoning become evident, contact a Poisons Information Centre, or call a doctor at once. Remove source of contamination or move victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow victim to move about unnecessarily.

Skin Contact: If in contact, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed. Soap may be used. If in doubt obtain medical advice.

Eye Contact: Flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until product is removed while holding the eyelid(s) open. Obtain medical advice if irritation becomes painful or lasts more than for a few minutes. flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the product is removed. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor immediately.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. This product is likely to decompose only after heating to dryness, followed by further strong heating.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Not combustible. Use extinguishing media suited to burning materials.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Autoignition temperature: Not applicable - does not burn. **Flammability Class:** Does not burn.

Section 6 - Accidental Release Measures

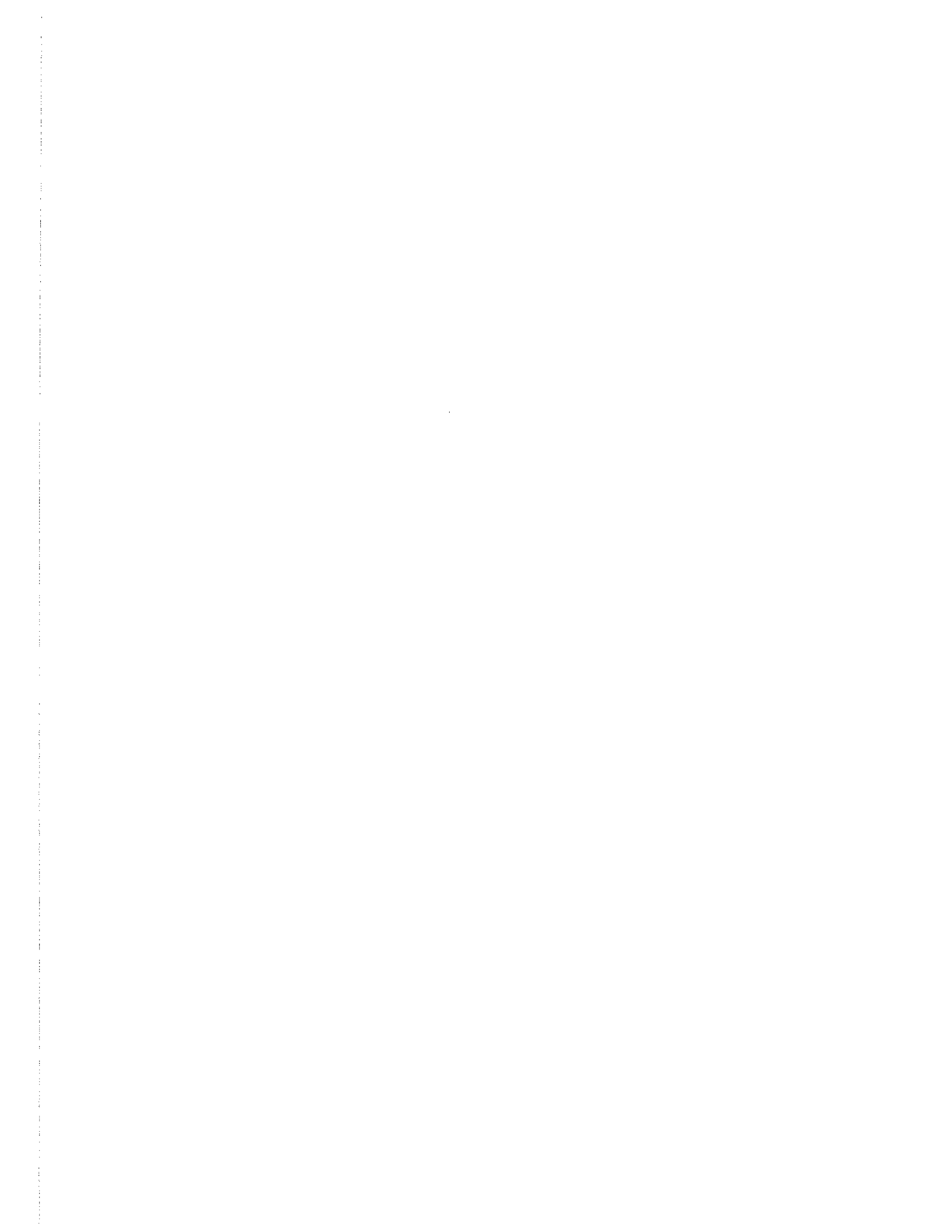
In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. All skin areas should be covered. Suitable materials for protective clothing include rubber, PVC, Viton. Eye/face protective equipment should comprise as a minimum, protective goggles.

Stop leak if safe to do so, and contain spill. Absorb onto sand, saw dust, soil or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly and properly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this SDS and the label, instructions on the label prevail. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. In case of doubt consult Department of Environment and Natural Resources DENR Building, Visayas Avenue, Quezon City and its regional offices. Otherwise, not normally necessary.

If the spill is small use any absorbent material as mentioned above and safely dispose the contaminated materials.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 9.



Storage: This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in section 9.

Section 8 - Exposure Controls and Personal Protection

The following International Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

SWA Exposure Limits **TWA (mg/m³)** **STEL (mg/m³)**

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

Other precautions

The ADI for Cyfluthrin is set at 0.02 mg/kg/day. The corresponding NOEL is set at 6.21 mg/kg/day. ADI means Acceptable Daily Intake; NOEL means No-observable-effect-level. Data from FAO specifications and evaluations or agricultural pesticides, Nov 2004.

ADI means Acceptable Daily Intake; NOEL means No-observable-effect-level.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used in a ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

Skin Protection: Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC, Viton.

Respirator: Usually, no respirator is necessary when using this product in a ventilated space.

Section 9 - Physical and Chemical Properties:

Appearance & odour	Milky white liquid with mild aromatic odour
Cyfluthrin content	5.0 % w/v
Specific Gravity at 20°C	0.90 – 0.98
Flash Point	>100
pH value	2.5-3.5
Persistent foam	≤25ml after 1 min
Pourability test	Residue maximum 0.5%
Emulsion stability	0-hour Initial emulsification complete 30 min, Cream ≤ 0 ml with 0 ml oil. 120 min, Cream ≤ 0ml with 0ml oil. 24-hour re-emulsion complete

Known incompatibilities Strong oxidizing agents

Shelf Life 2 years

Section 10 - Stability and Reactivity

Stability: The product is stable at room temperature for a period of 2 years.

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf-life properties.

Compatibility: The product is compatible with all active ingredients which are insecticide. However, if you have any doubts, contact the supplier for advice on shelf-life properties.

Conditions to Avoid: Protect this product from direct sunlight. Store in the closed original container in a dry, cool, well-ventilated area.

Incompatibilities: Oxidising agents.

Fire Decomposition: This product is likely to decompose only after heating to dryness, followed by further strong heating. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Acute Toxicity: Acute toxicity studies using GLP method on rats with Cyflux 5 EW showed following results.

Oral: LD₅₀>500 mg/kg b.w

Dermal: LD₅₀>2000 mg/kg b.w.

Acute Inhalation: LC₅₀> 0.57 mg/L.

Skin/Eye Irritation: Not a skin irritant, eye irritant.

Skin sensitizer: Not a skin sensitizer.

On humans: Literature review informs that on humans the product is harmful if swallowed, will cause skin, respiratory and eye irritation and harmful if inhaled.

Sub-chronic toxicity:

Sub-chronic toxicity and chronic toxicity data for the product is based on individual toxicity profile of the ingredient used in the formulation from credible source.

Cyfluthrin technical showed gait abnormalities, salivation, slight axonal degeneration of sciatic nerve. NOAEL was calculated to be 6.21 mg/kg bw/day in Rats. NOAEL (90-days oral) of other three ingredients used in the formulation ranged from 4mg, 390mg, 4800mg per kg/bw/day.

Neurological effects: No signs were observed in the acute and repeated studies performed with Cyfluthrin Technical. No data or no adverse effect have been reported on other ingredients.

Mutagenicity effects: Cyfluthrin technical as well as other ingredients tested negative on in-vitro tests.

Carcinogenicity effects: Tumorigenic effects of cyfluthrin were not seen in life time carcinogenic studies in rats and mice. Cyfluthrin is classified as "not likely to be carcinogenic to humans. The other ingredients are not listed and do not show adverse effect.

Chronic toxicity:

No carcinogenicity was reported on any of the ingredients used in this formulation.

Section 12 - Ecological Information

Aquatic organisms:

The product is toxic to aquatic organisms.

Fish: Cyfluthrin is toxic to fish - Acute 96-hour LC_{50} = 0.00047 mg l⁻¹; Chronic 21-day NOEC 0.0001mg l⁻¹

Daphnia – Cyfluthrin is toxic. Acute 48-hour EC_{50} = 0.00016mg l⁻¹; Chronic 21-day NOEC= 0.0002 mg l⁻¹

Environmental persistence:

Exposure to Sunlight: Cyfluthrin is sensitive to breakdown by sunlight.

Persistence in water: Cyfluthrin has shown to be broken down quickly in surface waters. It is shown to be stable to hydrolysis in water at acidic pH, but quickly hydrolysed under basic conditions.

Bioaccumulation and mobility in soil:

On the surface of soils, cyfluthrin half-life is 48-72 hours. It had a half-life of 56 and 63 days in German loam and sandy loam soils, respectively, and had similar persistence in soils under anaerobic conditions. Cyfluthrin was shown to be immobile in soils and is not considered to pose a threat of ground water contamination.

Non target organisms:

Bees: Cyfluthrin is toxic to bees. Contact acute LD_{50} 0.001 μ g bee⁻¹.

Earthworm: Cyfluthrin is low in toxicity to earthworms. Acute 14-day LC_{50} = 1000mg kg⁻¹

Section 13 - Disposal Considerations

Triple or preferably pressure rinse containers before disposal. Add rinsing to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Section 14 - Transport Information

UN number: 3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cyfluthrin contained)
Transport class: 9
Packing group: III
Environmentally hazardous: Yes

Section 15 - Regulatory Information

The active ingredient Cyfluthrin is listed in Philippine inventory of chemicals and chemical substances (Implementing title II of RA 6969)

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Product Name: CYFLUX 5 EW Insecticide

Page: 7 of 7

This version issued: March 2022

If there is any conflict between this SDS and the registered label, instructions on the label prevail.

Acronyms:

CAS number Chemical Abstracts Service Registry Number
Hazchem Code Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
IARC International Agency for Research on Cancer
NOS Not otherwise specified
NTP National Toxicology Program (USA)
R-Phrase Risk Phrase
S-Phrase Safety Phrase
LD50 Lethal dose, 50 percent
OECD Organisation for Economic Co-operations and Development
UN United Nations
UN Number United Nations Number

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. each user must review this sds in the context of how the product will be handled and used in the workplace.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company so we can attempt to obtain additional information from our suppliers

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

PLEASE READ PRODUCT LABEL CAREFULLY BEFORE USING PRODUCT.

Product Name: **DIPTHOR® DUO Insecticide**

Page: 1 of 7

This version issued: September, 2019

Section 1 - Identification of The Material and Supplier

Ensystem Australasia Pty Ltd
Unit 3, The Junction Estate
AUBURN, NSW 2144
13 35 36 (all hours)

Ensystem New Zealand Ltd
17C Corinthian Drive
Albany, Auckland 0752
0800 ENSYSTEM (0800 367 978)

Chemical nature: Cypermethrin in hydrocarbon solvent.
Trade Name: **DIPTHOR® DUO Insecticide**
Product Use: Commercial insecticide for use as described on the product label.
Product Code: 61559
Creation Date: **September, 2014**
This version issued: **September, 2019** and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Xn, Harmful. Xi, Irritating. N, Dangerous to the environment. Hazardous according to the criteria of SWA.

Risk Phrases: R20, R65, R66, R51/53. Harmful by inhalation. Harmful: May cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Toxic to aquatic organisms, may cause long-term adverse effects to the aquatic environment.

Safety Phrases: S23, S26, S28, S38, S46, S60, S61, S62, S24/25, S36/39. Do not breathe vapours or spray mists. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. After contact with skin, wash immediately with plenty of soap and water. In case of insufficient ventilation, wear suitable respiratory equipment. If swallowed, contact a doctor or Poisons Information Centre immediately and show this SDS or label. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/Safety Data Sheets. If swallowed, do not induce vomiting; seek medical advice immediately and show this SDS. Avoid contact with skin and eyes. Wear suitable protective clothing and eye/face protection.

SUSMP Classification: S5

ADG Classification: This product is exempt from classification as a Dangerous Good in packs less than 3,000 kg or litres under the Australian Code for the Transport of Dangerous Goods by Road and Rail. For bulk shipments this product is a class 9, UN 3082.

UN Number: 3082

GHS Classification:

Flammable liquids: Category 4
Acute toxicity – Oral: Category 5
Acute toxicity – Inhalation: Category 4
Aspiration hazard: Category 1
Hazardous to aquatic environment, long-term hazard: Category 2



GHS Signal word: **DANGER**

HAZARD STATEMENT:

H227: Combustible liquid.
H303: May be harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H332: Harmful if inhaled.
H411: Toxic to aquatic life with long lasting effects.
AUH066: Repeated exposure may cause skin dryness or cracking.

PREVENTION

- P102: Keep out of reach of children.
- P210: Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
- P261: Avoid breathing fumes, mists, vapours or spray.
- P262: Do not get in eyes, on skin, or on clothing.
- P271: Use only outdoors or in a well ventilated area.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P273: Avoid release to the environment.
- P280: Wear protective gloves, protective clothing and eye or face protection.

RESPONSE

- P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
- P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P333+P313: If skin irritation or rash occurs: Get medical advice.
- P391: Collect spillage.
- P370+P378: In case of fire, use carbon dioxide, dry chemical, foam, water fog.

STORAGE

- P410: Protect from sunlight.
- P403+P235: Store in a well-ventilated place. Keep cool.

DISPOSAL

- P501: Dispose of contents and containers as specified on the registered label.

Emergency Overview

Physical Description & colour: Yellowish brown coloured liquid.

Odour: Characteristic hydrocarbon odour.

Major Health Hazards: Symptoms of high dermal exposure include numbness, tingling, itching, burning sensation, loss of bladder control, incoordination, seizures, and possible death. Pyrethroids like cypermethrin may adversely affect the central nervous system. Symptoms of high-dose ingestion include nausea, prolonged vomiting, stomach pains, and diarrhoea which progresses to convulsions, unconsciousness, and coma. Cypermethrin is a slight skin or eye irritant, and may cause allergic skin reactions and facial skin numbness. This product is harmful if inhaled, a possible skin sensitiser, if aspirated, may cause lung damage, repeated exposure may cause skin dryness or cracking.

Potential Health Effects

Persons sensitised to cypermethrin should avoid contact with this product.

Inhalation:

Short term exposure: Available data shows that this product is harmful, but symptoms are not available. In addition product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

Long Term exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short term exposure: Available data indicated that this product is not harmful. However product may be irritating, but is unlikely to cause anything more than mild transient discomfort.

Long Term exposure: Repeated exposure may cause skin dryness or cracking.

Eye Contact:

Short term exposure: Available data indicated that this product is not harmful. However it may be irritating to eyes, but is unlikely to cause anything more than mild transient discomfort.

Long Term exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short term exposure: Significant oral exposure is considered to be unlikely. Because of the low viscosity of this product, it may directly enter the lungs if swallowed, or if subsequently vomited. Once in the lungs, it is very difficult to remove and can cause severe injury or death. However, this product is an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat. Other symptoms may also become evident, but all should disappear once exposure has ceased.

Long Term exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc.,%	TWA (mg/m ³)	STEL (mg/m ³)
Cypermethrin	52315-07-8	2.5% (25 g/L)	not set	not set
Petroleum hydrocarbon	various	74.1	790	not set
Non hazardous emulsifiers		to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: If symptoms of poisoning become evident, contact a Poisons Information Centre, or call a doctor at once. Remove source of contamination or move victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow victim to move about unnecessarily. Symptoms of pulmonary oedema can be delayed up to 48 hours after exposure.

Skin Contact: Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.

Eye Contact: No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: In case of fire, use carbon dioxide, dry chemical, foam, water fog.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: Approx. 80 °C

Upper Flammability Limit: No data.

Lower Flammability Limit: No data.

Autoignition temperature: No data.

Flammability Class: Flammable Category 4 (GHS), C1 combustible (AS 1940)

Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. No special recommendations for clothing materials. Eye/face protective equipment should comprise as a minimum, protective goggles. Eye/face protective equipment should include a full face shield. If there is a significant chance that vapours or mists are likely to build up in the clean-up area, we recommend that you use a respirator. It should be fitted with a cartridge suitable for agricultural chemicals, such as type G. Otherwise, not normally necessary.

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this SDS and the label, instructions on the label prevail. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

SWA Exposure Limits	TWA (mg/m ³)	STEL (mg/m ³)
Petroleum hydrocarbon	790	not set

The ADI for Cypermethrin is set at 0.05 mg/kg/day. The corresponding NOEL is set at 5 mg/kg/day. ADI means Acceptable Daily Intake; NOEL means No-observable-effect-level. Data from Australian ADI List, June 2013.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.

Skin Protection: If you believe you may have a sensitisation to this product or any of its declared Ingredients, you should prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following materials: PVC.

Respirator: If there is a significant chance that vapours or mists are likely to build up in the area where this product is being used, we recommend that you use a respirator. It should be fitted with a cartridge suitable for agricultural chemicals, such as type G. Otherwise, not normally necessary.

Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Yellowish brown coloured liquid.
Odour:	Characteristic hydrocarbon odour.
Boiling Point:	Not available.
Freezing/Melting Point:	No specific data. Liquid at normal temperatures.
Volatiles:	No data.
Vapour Pressure:	No data.
Vapour Density:	No data.
Specific Gravity:	0.8830 – 0.8950 g/mL at 20 °C
Water Solubility:	Emulsifiable.
pH:	3.0 – 5.0 (1% solution)
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water distribution:	No data.

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

Incompatibilities: strong acids, strong bases, strong oxidising agents.

Fire Decomposition: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Toxicity: This product (DIPHOR DUO) was tested under GLP conditions with the following results:

The LD₅₀ (Oral), Rat, female, was found to be >2,000 mg/kg (OECD 423) as no clinical signs of toxicity and mortality were observed at 2,000 mg/kg bw and dose levels higher than 2,000 mg/kg bw were not tested.

The LD₅₀ (Dermal), Rat (male and female) was found to be >2000 mg/kg (OECD 402).

The LD₅₀ (Inhalation), rat (male and female) was found to be greater than 3.19 mg/L of air (OECD 403). There were no clinical signs and mortality observed at this limit test.

This product is not considered as skin sensitization (OECD 406) and not classified as a skin or eye irritant/corrosion (OECD 404, 405).

Cypermethrin is a harmful material by dermal absorption or ingestion. The oral LD₅₀ for cypermethrin in rats is 250 mg/kg (in corn oil) or 4123 mg/kg (in water). The oral LD₅₀ varies from 367 to 2000 mg/kg in female rats, and from 82 to 779 mg/kg in mice, depending on the ratio of cis/trans- isomers present. This wide variation in toxicity may reflect different mixtures of isomers in the materials tested. The dermal LD₅₀ in rats is 1600 mg/kg and in rabbits is greater than 2000 mg/kg.

Reproductive effects: No adverse effects on reproduction were observed in a three-generation study with rats given doses of 37.5 mg/kg/day, the highest dose tested.

Teratogenic effects: Cypermethrin is not teratogenic. No birth defects were observed in the offspring of rats given doses as high as 70 mg/kg/day nor in the offspring of rabbits given doses as high as 30 mg/kg/day.

Mutagenic effects: Cypermethrin is not mutagenic, but tests with very high doses on mice caused a temporary increase in the number of bone marrow cells with micronuclei. Other tests for mutagenic effects in human, bacterial, and hamster cell cultures and in live mice have been negative.

Carcinogenic effects: EPA has classified cypermethrin as a possible human carcinogen because available information is inconclusive. It caused benign lung tumours in female mice at the highest dose tested (229 mg/kg/day); however, no tumours occurred in rats given high doses of up to 75 mg/kg/day.

Fate in humans and animals: In humans, urinary excretion of cypermethrin metabolites was complete 48 hours after the last of five doses of 1.5 mg/kg/day. Studies in rats have shown that cypermethrin is rapidly metabolized by hydroxylation and cleavage, with over 99% being eliminated within hours. The remaining 1% becomes stored in body fat. This portion is eliminated slowly, with a half-life of 18 days for the cis-isomer and 3.4 days for the trans-isomer.

Classification of Hazardous Ingredients

Ingredient	Risk Phrases
Cypermethrin	>=1%Conc<20%: Xi; R43
There is no data to hand indicating any particular target organs.	
Cypermethrin is Classed by SWA as a potential sensitiser by skin contact.	

Section 12 - Ecological Information

Toxic to aquatic organisms. This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

Effects on birds: Cypermethrin is practically non-toxic to birds. No adverse reproductive effects occurred in mallards or bobwhite quail given 50 ppm, the highest dose tested.

Effects on aquatic organisms: Cypermethrin is very highly toxic to fish and aquatic invertebrates. Cypermethrin is metabolised and eliminated significantly more slowly by fish than by mammals or birds, which may explain this compound's higher toxicity in fish compared to other organisms. The half-lives for elimination of several pyrethroids by trout are all greater than 48 hours, while elimination half-lives in birds and mammals range from 6 to 12 hours. The bioconcentration factor for cypermethrin in rainbow trout was 1200 times the ambient water concentration, indicating that there is a moderate potential to accumulate in aquatic organisms. Elimination of half of the accumulated amount of the compound took nearly eight days.

Effects on other organisms: Cypermethrin is highly toxic to bees.

Environmental Fate:

Breakdown in soil and groundwater: Cypermethrin has a moderate persistence in soils. Under laboratory conditions, cypermethrin degrades more rapidly on sandy clay and sandy loam soils than on clay soils, and more rapidly in soils low in organic material. In aerobic conditions, its soil half-life is 4 days to 8 weeks. Cypermethrin is not soluble in water and has a strong tendency to adsorb to soil particles. It is therefore unlikely to cause groundwater contamination.

Breakdown in water: In neutral or acid aqueous solution, cypermethrin hydrolyses slowly, with hydrolysis being more rapid at pH 9 (basic solution). Under normal environmental temperatures and pH, cypermethrin is stable to hydrolysis with a half-life of greater than 50 days and to photodegradation with a half-life of greater than 100 days. In pond waters and in laboratory degradation studies, pyrethroid concentrations decrease rapidly due to sorption to sediment, suspended particles and plants. Microbial degradation and photodegradation also occur.

Breakdown in vegetation: When applied to strawberry plants, 40% of the applied cypermethrin remained after one day, 12% remained after three days, and 0.5% remained after seven days, with a light rain occurring on day 3. When cypermethrin was applied to wheat, residues on the wheat were 4 ppm immediately after spraying and declined to 0.2 ppm 27 days later. No cypermethrin was detected in the grain.

Section 13 - Disposal Considerations

Disposal: Special help is available for the disposal of Agricultural Chemicals. The product label will give general advice regarding disposal of small quantities, and how to cleanse containers. However, for help with the collection of unwanted rural chemicals, contact ChemClear 1800 008 182 <http://www.chemclear.com.au/> and for help with the disposal of empty drums, contact DrumMuster <http://www.drummuster.com.au/> where you will find contact details for your area.

Section 14 - Transport Information

ADG Code: This product is exempt from classification as a Dangerous Good in packs less than 3,000 kg or litres under the Australian Code for the Transport of Dangerous Goods by Road and Rail. For bulk shipments this product is a class 9, UN 3082.

UN number:	3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cypermethrin contained)
Transport class:	9
Packing group:	III
Environmentally hazardous:	Yes

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredients: cypermethrin, petroleum hydrocarbon (liquid hydrocarbon), are mentioned in the SUSMP.

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

If there is any conflict between this SDS and the registered label, instructions on the label prevail.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.





POWER HOUSE
PEST CONTROL SERVICES

Licensed Pest Control Operator, Fertilizer and Pesticide Authority (FPA)
Pest Control Association of the Philippines (PCAP)
Kapangan ng mga Pest Control Operator sa Pilipinas, Inc. (KAPESTCOPPI)
National Committee on Urban Pest Control (NCUPC)

BRAND AND BROCHURE OFFERED

GermX is a multipurpose powerful disinfectant against broad spectrum of bacteria and other infectious organisms that can be used in hospital, schools, restaurants, food processing plants, building and household.

GermX is effective in eliminating odor and kills most common germs that may cause spread of diseases.

Active Ingredient: Benzalkonium Chloride 50%
Mode of Action: Cell Membrane Disruption
EPA No. / Label No. HSR-2000000211493

LightOrganicPlus
 lightorganicsplus





**POWER HOUSE
PEST CONTROL SERVICES**

Licensed Pest Control Operator, Fertilizer and Pesticide Authority (FPA)
Pest Control Association of the Philippines (PCAP)
Kapisanan ng mga Pest Control Operator sa Pilipinas, Inc. (KAPESTCOPI)
National Committee on Urban Pest Control (NCUPC)

**DISINFECTANT
GERMIX**

Active Ingredient: Quaternary Ammonium chloride-50%
Mode of Action: Membrane Disruption
Registration No.: HSR-2000000211473
Packaging: 1 liter • 1 gallon

One-Step Disinfectant-Cleaner!

**PRODUCT FEATURES
& BENEFITS**

- KILLS 99.99% OF GERMS
- DISINFECTS & DEODORIZES
- ECO-FRIENDLY



PACIFIC FUMIGATION
Quality within reach
843 PEST





**POWER HOUSE
PEST CONTROL SERVICES**

Licensed Pest Control Operator, Fertilizer and Pesticide Authority (FPA)
Pest Control Association of the Philippines (PCAP)
Kapisanan ng mga Pest Control Operator sa Pilipinas, Inc. (KAPESTGOPI)
National Committee on Urban Pest Control (NCUPC)



Republic of the Philippines
Department of Health
Food And Drug Administration
Civic Drive, Filinvest Corporate City, Alabang, Muntinlupa City



**NOTIFICATION OF HOUSEHOLD/URBAN HAZARDOUS SUBSTANCES
(HUHS) PRODUCT**

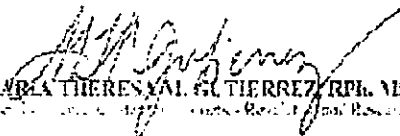
Pursuant to the existing rules and regulations of the Food and Drug Administration (FDA) for the notification of Household Urban Hazardous Substances (HUHS), the request for the product notification is hereby acknowledged.

HUHS Notification No.:	HR-202000011193
Brand Name:	GERMX
Product Name:	GERMX
Packaging Presentation:	Bottle
Product Description:	APPEARANCE: CLEAR LIQUID TO COLOR LIGHT YELLOW
Manufacturer:	S-GOLDEN PHILIPPINES CORPORATION
Importer:	NOT APPLICABLE
Company:	PROMISE LAND TRADING
Validity:	01 July 2020
Payment Reference No.:	65362

The company hereby ensures that they shall respond and cooperate fully with the FDA with regard to any subsequent post-marketing activity initiated by the FDA. Further, the company shall be responsible for ensuring that each consignment of the product continues to meet all the legal requirements, and conforms to all the standards and specifications of the product declared to the FDA.

The authorization is subject to suspension, cancellation, or recall should any violation of FDA laws and its implementing rules and regulations, involving the product be committed.

BY AUTHORITY OF THE ACTING DIRECTOR GENERAL


MYRA THEREXAL G. TIERREREZ, RPH, MSc
Office of the Director General, Bureau of Food and Drugs





POWER HOUSE
PEST CONTROL SERVICES

Licensed Pest Control Operator, Fertilizer and Pesticide Authority (FPA)
Pest Control Association of the Philippines (PCAP)
Kapisanan ng mga Pest Control Operator sa Pilipinas, Inc. (KAPESTCOPI)
National Committee on Urban Pest Control (NCUPC)

BANK OF THE PHILIPPINES

AGRICULTURAL CREDIT

Document Tracking No. **2010072004355**

Communication Type: **Letter/Request (General)**

From: **AGRIEXPLORE CORP.**

Routed To: **Center for Cosmetics Regulation and Research**

Document Title: **APPLICATION FOR CERTIFICATE CLEANERS AND DISINFECTANT PRODUCTS (GERMX 50% DISINFECTANT SOLUTION)**

ONCOLL PAYMENT SLIP

<input checked="" type="checkbox"/> Cash	<input type="checkbox"/> Check
MERCHANT/AGENCY/DEPOSIT ACCOUNT NUMBER 013142 826240 018	MERCHANT/AGENCY NAME FOR COSMETIC / Household / Toys / Childcare
MERCHANT/AGENCY NAME AGRIEXPLORE CORP.	Printed Name and Signature of Depositor [Signature]
ACCOUNT NUMBER 2010072004355	Teller's Validation [Stamp]
AMOUNT 510.00	



FDA-2020XINV5MLRG9M59499JO82



Republic of the Philippines
Department of Health
FOOD AND DRUG ADMINISTRATION



CERTIFICATE OF PRODUCT REGISTRATION

Pursuant to the provision of R.A. 9711 otherwise known as "Food and Drug Administration (FDA) Act of 2009" and its implementing rules and regulations, Presidential Decree 881 and Administrative Order No. 2019-0008, the product described hereunder has been found to conform with the requirements and standards for marketing authorization of household urban pesticide products per existing regulations in force as of date hereof.

Registration Number : HSR-7644

Product Name : **DOMINO SSC TERMITICIDE**

Active Ingredient : Fipronil - 50g/L

Intended Use : For pre/post-construction management of Subterranean termites

User Category : For Professional Use

Packaging : 1L Bottle

Manufacturer : Jiangsu Tuoqui Agrichemicals Co. Ltd.
227 Renmin North Rd., Yancheng, Jiangsu, China

Source : Changzhou Eastchem International Co. Ltd.
No. 217 Huangshan Road, Changzhou, Jiangsu, China

Distributor : Bio. Entomological Services & Trading International
10526 Rd., 1 Bernardo Vill. Brgy. Mayondon, Los Baños, Laguna

The marketing authorization shall be valid for 5 years and shall expire on 19 September 2025 subject to the conditions listed on the reverse side.

No change in the formulation, labeling and commercial presentation of this product shall be made at any time during the effectivity of this registration without prior written approval of this Office.

This marketing authorization is subject to suspension, cancellation or recall should any violation of Republic Act 9711, Presidential Decree 881 and/or regulations issued thereunder involving the product be committed.

WITNESS MY HAND and the Seal of this Office, 26th day of October 2020.

BY AUTHORITY OF THE DIRECTOR GENERAL:


ENGR. ANA TRINIDAD F. RIVERA, MSc
Director IV, Center for Cosmetics Regulation and Research

Reg. Status : Renewal
DTN : 20200909145406
O.R No. : 5299653
Amount : P2,525.00
Date : 28 Sept 2020
OCC/MMR/adm



Address: 1101133 Street, No. 210, 1101133
Room 210, 1101133 Street, No. 210, 1101133
Phone: 86-519-85190399 Fax: 86-519-85190399
E-mail: www.eastchem.net

EASTCHEM INTERNATIONAL LIMITED

Material Safety Data Sheet

Revision Date: October 2011

1. IDENTIFICATION OF SUBSTANCE:

Trade Name: DOMINO 5 SC

Source: CHANGZHOU EASTCHEM INTERNATIONAL CO., LTD.

TEL: 86-519-68786677 Fax: 86-519-85190399

2. COMPOSITION/DATA ON COMPONENTS:

CHEMICAL NAME: 5-amino-1(2,6-dichloro-a-a-trifluoro-ptoly)-4-trifluoro
methylsulfinyl=pyrazole-3-carbonitrile

CHEMICAL FAMILY: Phenylpyrazole insecticide

CHEMICAL FORMULA: C₁₂H₄Cl₂F₆N₄OS

MOLECULAR WEIGHT: 437.2

	Percent Purity	CAS NO.
Fipronil A.I.	5%	120068-37-3
Other Ingredients	95%	

3. HAZARDS IDENTIFICATION:

Emergency Overview

White viscous odorless materials

Thermal decomposition and burning may form toxic by-products.

For larger exposures or fire, wear personal protective equipments.

Slightly toxic to fish and aquatic organisms.

Keep away from drains and water sources.

Potential Health Hazards:

Effects from over exposure may result from swallowing, inhaling or coming in to contact the skin or eyes. Symptoms of over exposure include bleeding from the nose, tremors and convulsions. Contact with skin occasionally produces skin sensations such as rashes, numbing, burning or tingling. These skin sensations are reversible and usually subside within 12 hours.

4. FIRST AID MEASURES:

IF INHALED: Remove person from exposure area to fresh air. If not breathing difficulty or discomfort occurs or persists get medical attention.

IF ON SKIN: Wash skin with plenty of soap and water.

IF SWALLOWED: Drink 1 or 2 glasses water and induce vomiting by touching the back of throat with a finger or by giving syrup of ipecac. Immediately contact physician, Poison Control or an emergency center before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person.

IF IN EYES: Wash eyes with plenty of water. If irritation continues, call a doctor.

ANTIDOTE: Give symptomatic treatment as per symptoms and cause.

5. FIRE FIGHTING MEASURES:

FLASH POINT - Non-Flammable



EASTCHEM COMPANY LIMITED
惠州东信科技股份有限公司

EXTINGUISHING MEDIA: If involved in a fire, this product will not burn. Choose extinguishing media to suit the burning material.

FIRE AND EXPLOSION HAZARD: Slightly combustible. Material may not support combustion at elevated temperatures.

FIRE FIGHTING EQUIPMENT: Isolate fire area. Evacuate down wind. Wear self-contained breathing apparatus, pressure and protective gears. Do not smoke gasses or vapor generated.

SPECIAL HAZARD: Considered low risk due to water content, however upon evaporation of water the product is combustible.

6. ACCIDENTAL RELEASE MEASURES:

Clean up spills immediately, observing precautions. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Vacuum or sweep up material and place in properly labeled disposal container. Dike to confine spill and absorb with non-combustible absorbent like clay, sand or soil. Vacuum shovel or pump waste in to drum and label contents for disposal. Large spills may be neutralized with dilute solutions of soda ash or with appropriate alcohol. After removal, flush contaminated area thoroughly with water. Do not allow any material to run off in soil, drainage systems or bodies of water. Notify and consult with proper regulatory authorities.

7. HANDLING AND STORAGE:

KEEP OUT OF REACH OF CHILDREN.

GENERAL PROCEDURES: Store in a cool, dry, well-ventilated place in original container and protect from sunlight. Keep away from food, animal feed, other pesticides, fertilizers and drinking water.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

ENGINEERING CONTROL: Used local exhaust ventilation at all processes locations where vapor or mist may be emitted. Ventilate all transport vehicles prior to unloading.

PERSONAL PROTECTIVE EQUIPMENT:

EYE AND FACE PROTECTION: Safety goggles or face shield.

CLOTHING: Long-sleeved shirt and long pants, shoes plus socks, chemical resistant headgear for overhead exposures.

GLOVES: Wear waterproof gloves.

USER SAFETY RECOMMENDATIONS: Wash hands before eating, drinking, and chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change in to clean clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL DESCRIPTION: Creamy to white viscous liquid.

ODOR: Odorless.

CHEMICAL FORMULA: C₁₂H₁₁Cl₂NaO₅

MOLECULAR WEIGHT: 307.2



pH Value: 7.9 (1% in water)
SPECIFIC GRAVITY (H₂O=1): 1.177 (25)
VAPOR PRESSURE: 3.7 x 10⁻⁴ mmHg (25)
WATER SOLUBILITY: 1.9 g/l (5), 2.4 g/l (9), 1.9 g/l (distilled) all mg/l (20)

10. STABILITY AND REACTIVITY:

CHEMICAL STABILITY: Stable under normal condition
CONDITIONS TO AVOID: None Known
HAZARDOUS POLYMERIZATION: Product will not undergo polymerization

11. TOXICOLOGICAL INFORMATION:

ACUTE TOXICITY: Oral LD₅₀ (rat) = 1120mg/kg body weight
Dermal LD₅₀ (rat) = >2000mg/kg body weight
Inhalation LC₅₀ (rat) = >3.191 mg/l of air
Eye Irritation (rabbit) = Not-Eye Irritant
Skin Irritation (rabbit) = Not skin irritant
Sensitization (guinea pig) = Not Skin sensitizer

12. ECOLOGICAL INFORMATION:

Environmental Summary: This pesticide is slightly toxic to waterfowl and upland game birds. Toxic bees.

13. DISPOSAL CONSIDERATION:

Waste = Dispose of in accordance with applicable federal, State, local laws and regulations. Container = Empty the container with equipment. Do not re-use the container prior to triple rinsing and cleaning.
Dispose of empty containers in a sanitary landfill or incineration so as to avoid environmental or water pollution.

14. TRANSPORT INFORMATION:

UN No. = 2588
Packaging Class and Group = III
Label = Blue Band

15. REGULATIONS:

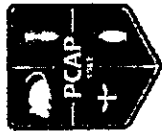
Not available

16. OTHER INFORMATION:

The information contained in this material data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is however ensured that the information contained in the material safety data sheet is relevant to the product manufactured, handled or sold as the case may be by us.

Certificate No.: 2022-002

PEST CONTROL ASSOCIATION
OF THE PHILIPPINES, INC.



PEST CONTROL ASSOCIATION OF THE PHILIPPINES, INC. (PCAP)

No. 147-B Pinarubos St., Barangka Ilaya, Mandaluyong City, PHILIPPINES
www.pcaphilippines.com Tel.: +63 2 8632-0754; +63 908 874 2217

CERTIFICATE OF MEMBERSHIP POWER HOUSE PEST CONTROL SERVICES

Is a bonafide member of good standing of the Association and is entitled to all the rights and privileges appertaining thereto. This Certificate is issued in accordance with the Constitution and By-Laws of the Association and as recognized by the Food and Drug Administration (FDA) MC 2016-008. This Certificate is valid until December 31, 2022.


JESUS M. ASISTIN
President


LIWAYWAY C. CORDEL
Chairperson, Membership Committee

PCAP is a proud member of:



CERTIFIED TRUE COPY

POWER HOUSE PEST CONTROL SERVICES

ANITA MARIE M. ESCOBAR

GERALD MANALO

1102 B, FERNANDO ST., ... CORDO, MANILA

0917-76030-0768 / 8354-4615 / 8811-1696 / 09154448197

FDA-2019IMBRSHHPWOCUCKHWFE6E



Republic of the Philippines
Department of Health
FOOD AND DRUG ADMINISTRATION



CERTIFICATE OF PRODUCT REGISTRATION

Pursuant to the provision of R.A. 9711 otherwise known as "Food and Drug Administration (FDA) Act of 2009" and its implementing rules and regulations, Presidential Decree 881 and Administrative Order 303 s. 1976, the product described hereunder has been found to conform with the requirements and standards for marketing authorization of household urban pesticide products per existing regulations in force as of date hereof.

Registration Number	HSR-5096
Product Name	RACUMIN PASTE
Active Ingredient/s	Coumatral 0.0375%
Intended Use	To kill rats
Packaging	1kg Patch
Manufacturer	Kollant S.r.l. 30030 Vigonovo (VE) - Italy
Importer/Distributor	Bayer Crop Science, Inc. Bayer House, Canlubang Industrial Estate, Calamba, Laguna

The marketing authorization shall be valid for 5 year(s); and shall expire on 06 February 2025 subject to the conditions listed on the reverse side.

No change in the formulation, labeling and commercial presentation of this product shall be made at any time during the effectivity of this registration without prior written approval of this Office

This marketing authorization is subject to suspension, cancellation or recall should any violation of Republic Act 9711, Presidential Decree 881 and/or regulations issued thereunder involving the product be committed

WITNESS MY HAND and the Seal of this Office, 13th day of December 2019.

BY AUTHORITY OF THE DIRECTOR GENERAL:

[Signature]
ENGR. ANA TRINIDAD F. RIVERA, MSc.
Director IV, Center for Cosmetics Regulation and Research

Reg. Status: Renewal
FTR: 2019014105127
O/S: No. 1200671
Amount: Php 2,325.00
Date: 24-Oct-2019
MTRG MDR-1

FDA-0040351

Bayer CropScience



SAFETY DATA SHEET according to EC Directive 2001/58/EC

RACUMIN PASTEVersion 4 / D
102000074521/6
Revision Date: 16.12.2004
Print Date: 27.02.2006**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name RACUMIN PASTE
 Product code (UVP) 05141435
 Usage rodenticide
 Company Bayer CropScience AG
 Alfred-Nobel-Straße 60
 40789 Monheim
 Germany
 Telephone +49(0)69-305-5748
 Telefax +49(0)69-305-80950
 Responsible Department Material and Transport Safety Management
 +49(0)69-305-82369/12588

Emergency telephone number +49(0)2133-51-4233 (Sicherheitszentrale Dormagen, Bayer AG)

Supplier Bayer CropScience Deutschland GmbH
 Elisabeth-Seibert-Straße 4a
 D-40754 Langenfeld
 Germany
 Telephone: 02173 / 20760

2. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**

Bait (ready for use) (RB)
 Coumatetralyl 0,0375 %

Hazardous components

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Coumatetralyl	5858-9-3 227-4-4-0	T+	R27/28, R48/24/25, R52/53	0,0375

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment
 Harmful if swallowed.

4. FIRST AID MEASURES**General advice**

Move out of dangerous area. If the patient is likely to become unconscious, place and transport in stable sideways position. Remove soiled or soaked clothing immediately.

Bayer CropScience

SAFETY DATA SHEET according to EC Directive 2001/58/EC



RACUMIN PASTE

Version 4/D
10200007452

2/6
Revision Date: 16.12.2004
Print Date: 27.02.2006

Skin contact

Wash off immediately with soap and plenty of water. Call a physician immediately.

Eye contact

In case of contact with eyes rinse thoroughly with water. Call a physician immediately.

Ingestion

Do not induce vomiting. Wash out mouth with water. Call a physician immediately.

Notes to physician

Symptoms

back pain, Abdominal pains, bloody vomiting, nose bleeding, Shock

Treatment

Elementary aid, decontamination and symptomatic treatment.

Antidote: vitamine K - 10 mg i.v., if necessary repeat, and, in cases of grave bleeding, prothrombin complex preparates.

In severe cases administration of coagulation factors or plasma, or even a blood transfusion may be necessary.

If ingested, irrigate the stomach using activated charcoal in addition.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

- water spray
- carbon dioxide (CO₂)
- foam
- sand

Specific hazards during fire fighting

In the event of fire the following can be released:
carbon monoxide (CO)

Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.
Use breathing apparatus.

Further information

Contain the spread of the fire-fighting media
Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with spilled product or contaminated surfaces.
Wear personal protective equipment. Unprotected persons must be kept away.

Environmental Precautions

Do not discharge into the drains/surface water/groundwater.

Methods for cleaning up

Use mechanical handling equipment.
Clean contaminated floors and objects thoroughly, observing environmental regulations
Pack spilled material in suitable containers for recovery or disposal.

Additional advice

Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 3.

Bayer CropScience

SAFETY DATA SHEET according to EC Directive 2001/58/EC



RACUMIN PASTE

Version 4 / D
12269007452

3/6
Revision Date: 16.12.2004
Print Date: 27.02.2006

7. HANDLING AND STORAGE

Storage

Requirements for storage areas and containers
Keep containers tightly closed in a dry, cool and well-ventilated place.
Store in original container.
Store in a place accessible by authorized persons only.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

German storage class

11: Combustible Solids

Storage stability

Storage temperature < 50 °C

Suitable materials

Only use containers that are approved specifically for the substance/product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory Protection No personal respiratory protective equipment normally required.

Hand Protection PVC or other plastic material gloves

Eye protection safety glasses

Hygiene measures

Avoid contact with skin, eyes and clothing.
Keep working clothes separately.
Wash hands before breaks and at the end of workday.
Remove soiled or soaked clothing immediately and clean thoroughly before using again.
Garments that cannot be cleaned must be destroyed (burnt).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form paste
Colour blue
Odour slight, specific odour

Safety data

Melting point/ range > 200 °C
Ignition temperature 425 °C
Density 1,187 g/ml at 20 °C
Solubility/qualitative insoluble

Bayer CropScience

SAFETY DATA SHEET according to EC Directive 2001/60/EC

**RACUMIN PASTE**Version 4.0
107500074554/6
Revision Date: 16.12.2004
Print Date: 27.02.2006

Combustion number: CNS Local combustion without spreading at 20 °C

10. STABILITY AND REACTIVITY

Hazardous reactions: No hazardous reactions when stored and handled according to prescribed instructions

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: LD50 (rat) > 1000 mg/kg
 Acute Dermal Toxicity: LD50 (rat) > 4000 mg/kg
 Skin irritation: non-irritant (rabbit)
 Eye irritation: non-irritant (rabbit)
 Sensitization: Non-sensitizing (guinea pig)
 OECD 405 Buerker test
 Test conducted with a similar formulation.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects
 Toxicity to fish: LC50 (Rainbow trout (*Oncorhynchus mykiss*)) 53 mg/l
 Exposure time: 96 h
 The value mentioned relates to the active ingredient.
 Toxicity to daphnia: EC50 (Water flea (*Daphnia magna*)) > 14 mg/l
 Exposure time: 48 h
 The value mentioned relates to the active ingredient.
 Toxicity to algae: IC50 (*Casmodesmus subspicatus*) > 18 mg/l
 Growth rate Exposure time: 96 h
 The value mentioned relates to the active ingredient.

13. DISPOSAL CONSIDERATIONS

Product
 Dispose of by incineration in an authorized special waste incineration plant. Comply with local legislation
 For larger quantities contact manufacturer
Contaminated packaging
 Completely empty packagings can be recycled or landfilled together with domestic waste.
 Regulations concerning reuse or disposal of used packaging materials must be observed.

14. TRANSPORT INFORMATION

Bayer CropScience

SAFETY DATA SHEET according to EC Directive 2001/58/EC



RACUMIN PASTE

Version 4 / D
10290007452

5/6
Revision Date: 16.12.2004
Print Date: 27.02.2006

ADNR	Not dangerous goods
ADR	Not dangerous goods
GGVE	Not dangerous goods
GGVS	Not dangerous goods
IATA_C	Not dangerous goods
IATA_P	Not dangerous goods
IMDG	Not dangerous goods
RID	Not dangerous goods

15. REGULATORY INFORMATION

Classification and labelling in accordance with the EC Directive on dangerous preparations, 1999/45/EC as amended.

Classification:

Labelling according to EEC Directive

Hazardous components which must be listed on the label:

Coumatetralyl

Symbol(s)

Xn Harmful

R-phrase(s)

R22 Harmful if swallowed.

Exceptional labelling

To avoid risks to man and the environment, comply with the instructions for use.

Further information

WHO-classification, III (Slightly hazardous)

National legislation

Water contamination class (Germany) WGK 1 slightly water endangering
Classification according to VwVWS, Annex 4

Other regulations

BG Leaflet M050 "Handling of Hazardous Substances"
BG Leaflet M053 "General Protective Measures for the handling of hazardous substances"

16. OTHER INFORMATION

Further information

Text of R phrases mentioned in Section 2:

R27/28 Very toxic in contact with skin and if swallowed.

R48/24/25 Toxic; danger of serious damage to health by prolonged exposure in contact with skin or if swallowed.

R62/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

For further information on active ingredients see also: Wirkstoffe in Pflanzenschutz- und Schädlingsbekämpfungsmitteln: physikalisch-chemische und toxikologische Daten IVA, Industrieverb. Agrar e.V., - 3., Neubearb. Aufl. - München; Wien; Zürich; BLV Verlagsges.m.b.H. 2000 ISBN 3-405-15898-6

Bayer CropScience

SAFETY DATA SHEET according to EC Directive 2001/58/EC



RACUMIN PASTE

Version 4 / D
10200007452

Revision Date: 16.12.2004
Print Date: 27.02.2006

The advice on classification in section 15 of this Safety Data Sheet is based on European Directive on Preparations (1999/45/EC and its subsequent adaptations). The legislation on pesticide preparations should be applied by EU Member States not later than 30 July 2004. The information given in this Data Sheet has been included in accordance with the guidelines established by EC Directive 1991/155/EC as amended. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements. This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

[Faint handwritten notes and markings, possibly including dates and initials, are visible in the lower right quadrant of the page.]



Republic of the Philippines
Department of Health
FOOD AND DRUG ADMINISTRATION



CERTIFICATE OF PRODUCT REGISTRATION

Pursuant to the provision of R.A. 9711 otherwise known as "Food and Drug Administration (FDA) Act of 2009" and its implementing rules and regulations, Presidential Decree 881 and Administrative Order 303 s. 1976, the product described hereunder has been found to conform with the requirements and standards for marketing authorization of household urban pesticide products per existing regulations in force as of date hereof.

Registration Number : HSR-7704
Product Name : **RATOKIL RAT KILLER (READY MIXED BAIT PELLETS)**
Active Ingredient/s : Flocoumafen 0.005%
Intended Use : For the control of Norway Rats and Roof Rats
Packaging : 50g, 100g, 750g Plastic/Carton
Manufacturer : Kukbo Science Co. Ltd.
Chungbuk, South Korea
Importer/Distributor : Orsus Chemicals Corporation
Lot 14 Cadena de Amor St., Greenland Executive Village,
Cainta, Rizal

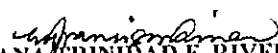
The marketing authorization shall be valid for 3 year(s) and shall expire on 20 November 2023 subject to the conditions listed on the reverse side.

No change in the formulation, labeling and commercial presentation of this product shall be made at any time during the effectivity of this registration without prior written approval of this Office.

This marketing authorization is subject to suspension, cancellation or recall should any violation of Republic Act 9711, Presidential Decree 881 and/or regulations issued thereunder involving the product be committed.

WITNESS MY HAND and the Seal of this Office, 24th day of February 2020.

BY AUTHORITY OF THE DIRECTOR GENERAL:


ENGR. ANA TRINIDAD F. RIVERA, MSc
Director IV, Center for Cosmetics Regulation and Research

Reg. Status : Renewal, Variation
DTN : 20181113112451, 20191024165216
Trxn. Seq. No. : 11250-72060
Amount : Php 2,525.00, Php 510.00
Date : 15 November 2018, 25 October 2019
MFMG mmr



MATERIAL SAFETY DATA SHEET

1. Substance/preparation and company identification

RATOKIL PELLET RAT KILLER

Use: Rodenticide

Manufacturer:
KUKBO SCIENCE CO., LTD.
49, Sandan-Ro, Cheongju, Chungbuk, Korea

Distributed and registered in the Philippines by:
ORSUS CHEMICALS CORPORATION
Lot 14, Greenland, Cainta, Rizal

2. Hazard identification

No specific dangers known, if the regulations/notes for storage and handling are considered.
NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS

3. Composition/information on ingredients

Chemical nature
Rodenticide, Bait

Hazardous ingredients

Flocoumafen
Content (W/W): 0.005 %
CAS Number: 90035-08-8
Hazard symbol(s): T+, N
R-phrases: 26/27/28, 48/23/24/25, 50/53

The wording of the hazard symbols and R-phrases is specified in Section 16 if dangerous ingredients are mentioned.

4. First-Aid Measures

General advice:
Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

If inhaled:
Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:
After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

On contact with eyes:
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open,
consult an eye specialist.

On ingestion:
Rinse mouth immediately and then drink plenty of water, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician:
Symptoms: tiredness, loss of appetite, coagulation disorders
Hazards: The product contains a blood coagulation inhibitor.
Treatment: Symptomatic treatment (decontamination, vital functions).
Antidote: Vitamin K1 preparation as antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
dry powder, foam, water spray, carbon dioxide

Unsuitable extinguishing media for safety reasons:
water jet

Specific hazards:
carbon monoxide, hydrogen fluoride, carbon dioxide, nitrogen oxides, toxic gas
The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:
In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:
Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

Environmental precautions:
Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

For large amounts: Sweep/shovel up.

For residues: Contain with dust binding material and dispose of.
Avoid raising dust. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Collect waste in suitable containers, which can be labeled and sealed. Incinerate or take to a special waste disposal site in accordance with local authority regulations.

7. Handling and Storage

Handling

No special measures necessary if stored and handled correctly. If dead and/or dying rats or mice are found during and after the control program, these must be cleared away immediately in order to avoid secondary poisoning phenomena. Do not apply in the open (use bait boxes, bait cartons or foil bags).

Protection against fire and explosion:

Dust can form an explosive mixture with air. Avoid dust formation. Avoid deposition of dust.

Prevent

electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Keep locked-up and out of reach of children. Keep in a cool, well-ventilated place. Keep away from heat. Protect against moisture. Protect from direct sunlight. Protect from temperatures above: 30 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

8. Exposure controls and personal protection

Components with workplace control parameters

No exposure standard allocated

Personal protective equipment

Respiratory protection:

Breathing protection if breathable aerosols/dust are formed. Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Avoid contact with the skin, eyes and clothing.

Wearing of closed work clothing is recommended. Remove contaminated clothing immediately and dispose of safely. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form: pellets
Colour: red
Odour: slight odour, paraffin-like

Ignition temperature: 235 °C
Flash point (and method): Above 375°F, 190.5°C (PMCC)

Bulk density: 0.60 - 0.68 kg/dm³
Specific gravity (water=1): 1.02

Solubility in water: insoluble
Partitioning coefficient n-octanol/water (log Pow): not applicable

10. Stability and Reactivity

Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Substances to avoid:	No substances known that should be avoided.
Hazardous reactions:	No hazardous reactions if stored and handled as prescribed/indicated.
Hazardous decomposition products:	No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

LD50 rat (oral): > 5,000 mg/kg (product)
LD50 rat (dermal): > 5,000 mg/kg (product)
Information on: Floccoumafen
LC50 rat (by inhalation): 0.0008 - 0.007 mg/l 4 h

Irritation

Primary skin irritation rabbit: non-irritant (product)
Primary irritations of the mucous membrane rabbit: non-irritant (product)

Assessment other acute effects

Assessment other acute effects:
The available information is not sufficient for evaluation.

Sensitization

Modified Buehler test guinea pig: Skin sensitizing effects were not observed in animal studies.

Repeated dose toxicity

Assessment of repeated dose toxicity:

Inconclusive data.

Genetic toxicity

Assessment of mutagenicity:

No data available.

Carcinogenicity

Assessment of carcinogenicity:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Reproductive toxicity

Assessment of reproduction toxicity:

No data available.

Developmental toxicity

Assessment of teratogenicity:

No data available.

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Ecotoxicity

Toxicity to fish:

LC50 (96 h) > 4,000 mg/l, *Oncorhynchus mykiss* (product)

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Aquatic invertebrates:

EC50 (48 h) 280 mg/l, *Daphnia magna* (product)

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Information on: Flocoumafen

Toxicity to fish:

LC50 (96 h) 0.071 mg/l, *Oncorhynchus mykiss*

LC50 (96 h) 0.112 mg/l, *Lepomis macrochirus*

Information on: Flocoumafen

Aquatic invertebrates:

EC50 (48 h) 0.17 mg/l, *Daphnia magna*

Information on: Flocoumafen

Aquatic plants:

EC50 (72 h) >= 18.2 mg/l, *Pseudokirchneriella subcapitata*

Persistence and degradability

Information on: Flocoumafen
Assessment biodegradation and elimination (H2O):
Not readily biodegradable (by OECD criteria).

Additional information

Other ecotoxicological advice:
Do not discharge product into the environment without control.

13. Disposal Considerations

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Domestic transport: ADG Code	Not classified as a dangerous good under transport regulations
Sea transport: IMDG	Not classified as a dangerous good under transport regulations
Air transport IATA/ICAO	Not classified as a dangerous good under transport regulations

15. Regulatory Information

TSCA SECTION 8(B) INVENTORY	Y
TSCA 12(b) EXPORT NOTIFICATION	Not listed
CERCLA Regulation	N
SARA SECTION 302 (40CFR355)	N
SARA SECTION 304 (40CFR370)	N
SARA SECTION 313 (40CFR372)	N

16. Other Information

Recommended use: Rodenticide
Full text of hazard symbols and R-phrases if mentioned as hazardous components in Section 3:

T+	Very toxic.
N	Dangerous for the environment.
26/27/28	Very toxic by inhalation, in contact with skin and if swallowed.
48/23/24/25	Toxic: danger of serious damage to health by prolonged exposure through
	inhalation, in contact with skin and if swallowed.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.



Department of Health
Department Office
FOOD AND DRUG ADMINISTRATION



CERTIFICATE OF PRODUCT REGISTRATION

Pursuant to the provision of R.A. 9711 otherwise known as "Food and Drug Administration (FDA) Act of 2009" and its implementing rules and regulations, Presidential Decree 551 and Administrative Order 303 s. 1976, the product described hereunder has been found to conform with the requirements and standards for marketing and distribution of insecticide products per existing regulations in force as of date hereof.

Registration Number : HSC-0116

Product Name : FENONA 133C

Active Ingredient : Aethypermethrin 11.7%

Intended Use : For the control of wide range of public health pests such as cockroaches, fleas, flies, mosquitoes, rats and deer beetles

Packaging : 11. Plastic Binds

Manufacturer : BASF Agro-Product SAS
Zone Industrielle, Lyon Nord, S.A. Jacques 69727
France Cedex, France

Importer/Distributor : BASF Philippines, Inc.
115THH Building, 1127 University Parkway, North Bethesda,
1934 Glendora City, Taguig, Metro Manila

This marketing authorization shall be valid for 5 years and shall expire on 28 June 2014 subject to the conditions listed on the reverse side.

Any change in the formula, in labeling and commercial presentation of this product shall be made at any time during the validity of this registration without prior written approval of the Office.

This marketing authorization is subject to suspension, cancellation or recall should any violation of Republic Act 9711, Presidential Decree 551 and/or regulations issued thereunder involving the product be determined.

WITNESS MY HAND and the Seal of this Office, 28th day of June 2012.

BY AUTHORITY OF THE DIRECTOR GENERAL:

ANA TRINIDAD E. RIVERA, MSc
ENGR. ANA TRINIDAD E. RIVERA, MSc
Director IV, Center for Biologics Registration and Research

Mr. Mayor - Engr. Cesar A.
 Mr. Engr. - Engr. Ana Trinidad E. Rivera
 Mr. Engr. - Engr. Ana Trinidad E. Rivera
 Mr. Engr. - Engr. Ana Trinidad E. Rivera
 Mr. Engr. - Engr. Ana Trinidad E. Rivera
 Mr. Engr. - Engr. Ana Trinidad E. Rivera

FDA-0040309

Safety data sheet

Page: 1/9

BASF Safety data sheet
Date / Revised: 09.05.2007
Product: FENDONA® 1.5 SC

Version: 2.0

310 221
(30254840/SDS_GPA_PH/EN)
Date of print 04.12.2009

1. Substance/preparation and company identification

FENDONA® 1.5 SC

Use: crop protection product, insecticide

Company:

BASF Agro B.V.
Moosacherstrasse 2
8820 Waedenswil/Au, SWITZERLAND

Contact address:

BASF Philippines, Inc.
103 Progress Avenue, Phase 1 GIZ, Carmelray Industrial Park 1
4037 Canlubang, Calamba, Laguna
PHILIPPINES
Telephone: +63 2 889-4321 / +63 49 549-0001
Telefax number: +63 49 549-1026

Emergency information:

Telephone: +63 2 843-1773

2. Composition/information on ingredients

Chemical nature

crop protection product, insecticide, suspension concentrate (SC)

Hazardous ingredients

alpha-cypermethrine

Content (W/W): 1.5 %
CAS Number: 67375-30-8
EC-Number: 257-842-9
Hazard symbol(s): T, N

BASF Safety data sheet
Date / Revised: 09.05.2007
Product: FENDONA® 1.5 SC

Version: 2.0

310 22 I
(30254840/SDS_GPA_PH/EN)

Date of print 04.12.2009

R-phrases: 20, 25, 37/38, 48/22, 50/53

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

3. Hazard identification

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
May cause paraesthesia.

The product contains: alpha-cypermethrine
May cause paraesthesia.

4. First-aid measures

General advice:

Avoid contact with the skin, eyes and clothing. Take off immediately all contaminated clothing. If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Note to physician:

Symptoms: numbness and tingling of hands and feet, convulsions
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Suitable extinguishing media:
water spray, water fog, foam, dry extinguishing media

Specific hazards:
carbon monoxide, hydrogen chloride, hydrogen cyanide, nitrogen oxides, organochloric compounds

BASF Safety data sheet
Date / Revised: 09.05.2007
Product: FENDONA® 1.5 SC

Version: 2.0

310 22 1
(30254840/SDS CPA PH/EN)

Date of print 04.12.2009

The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

Environmental precautions:

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Incinerate or take to a special waste disposal site in accordance with local authority regulations.

7. Handling and storage

Handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

Storage

Segregate from foods and animal feeds. Segregate from strong bases. Segregate from oxidants. Further information on storage conditions: Keep away from heat. Protect from direct sunlight. Protect against moisture.

Storage stability:

Storage duration: 24 Months

Protect from temperatures below: -10 °C

BASF Safety data sheet
 Date / Revised: 09.05.2007
 Product: FENDONA® 1.5 SC

Version: 2.0

310 22 1
 (30254840/SDS_CPA_PH/EN)

Date of print 04.12.2009

The product can crystallize below the limit temperature.
 Protect from temperatures above: 40 °C
 Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

8. Exposure controls and personal protection

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374); E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to DIN-EN 465).

General safety and hygiene measures:

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Take off immediately all contaminated clothing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and chemical properties

Form: liquid, suspension
 Colour: white

Flash point: Non-flammable.
 Flammability: does not ignite
 Explosion hazard: not explosive

(DIN EN 22719; ISO 2719)

Vapour pressure: dropped

Density: 1.01 - 1.02 g/cm³
 (20 °C)

Solubility in water: dispersible

BASF Safety data sheet
Date / Revised: 09.05.2007
Product: FENDONA® 1.5 SC

Version: 2.0

310 221
(30254840/SDS_CPA_PH/EN)
Date of print: 04.12.2009

10. Stability and reactivity

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:
strong bases, oxidizing agents

Corrosion to metals: mild steel
tin

Hazardous reactions:
No hazardous reactions if stored and handled as prescribed/indicated.

Hazardous decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological information

Acute toxicity

LD50 rat (oral): > 2,000 mg/kg

LD50 rat (dermal): > 2,000 mg/kg

Information on: alpha-cypermethrine
LC50 rat (by inhalation): > 1.59 mg/l 4 h
The test result applies only to the substance transferred into respirable aerosol (particles < 20 µm).

Irritation

Primary skin irritation rabbit: non-irritant

Primary irritations of the mucous membrane rabbit: non-irritant

Sensitization

guinea pig: Skin sensitizing effects were not observed in animal studies.

Genetic toxicity

Information on: alpha-cypermethrine
Assessment of mutagenicity:
No mutagenic effect was found in various tests with bacteria and mammalian cell culture.

Carcinogenicity

BASF Safety data sheet
Date / Revised: 09.05.2007
Product: FENDONA® 1.5 SC

Version: 2.0

310 22 1
(30254840/SDS CPA PH/EN)
Date of print 04.12.2009

Information on: alpha-cypermethrine
Assessment of carcinogenicity:
In the majority of the short term assays the substance caused no carcinogenic effects.

Reproductive toxicity

Information on: alpha-cypermethrine
Assessment of reproduction toxicity:
The results of animal studies gave no indication of a fertility impairing effect.

Developmental toxicity

Information on: alpha-cypermethrine
Assessment of teratogenicity:
No indications of a developmental toxic / teratogenic effect were seen in animal studies.

Other relevant toxicity information

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition. The statements are based on the properties of the individual components. Misuse can be harmful to health. May cause paraesthesia.

The product contains: alpha-cypermethrine
May cause paraesthesia.

12. Ecological information

Ecotoxicity

Information on: alpha-cypermethrine
Toxicity to fish:
LC50 (96 h) 0.93 µg/l, Pimephales promelas

Information on: alpha-cypermethrine
Aquatic invertebrates:
LC50 (48 h) 0.0001 - 0.0003 mg/l, Daphnia magna

Information on: alpha-cypermethrine
Aquatic plants:
EC50 (96 h) > 0.1 mg/l, Pseudokirchneriella subcapitata

Persistence and degradability

Information on: alpha-cypermethrine
Elimination information:
Not readily biodegradable (by OECD criteria).

BASF Safety data sheet
 Date / Revised: 09.05.2007
 Product: FENDONA® 1.5 SC

Version: 2.0

310 22 I
 (30254840/SDS_CPA_PH/EN)

Date of print 04.12.2009

Additional information

Other ecotoxicological advice:
 The ecological data given are those of the active ingredient. Do not discharge product into the environment without control.

13. Disposal considerations

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:
 Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport information

Domestic transport:

Hazard class:	9
Packing group:	III
ID number:	UN 3082
Hazard label:	9
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ALPHA-CYPERMETHRIN 1,5%)

Sea transport

IMDG

Hazard class:	9
Packing group:	III
ID number:	UN 3082
Hazard label:	9
Marine pollutant:	YES
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. contains (ALPHA-CYPERMETHRIN 1,5%)

Air transport

IATA/ICAO

Hazard class:	9
Packing group:	III
ID number:	UN 3082
Hazard label:	9
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. contains (ALPHA-CYPERMETHRIN 1,5%)

BASF Safety data sheet
Date / Revised: 09.05.2007
Product: FENDONA® 1.5 SC

Page: 8/9

Version: 2.0

310 22 1
(30254840/SDS_CPA_PH/EN)
Date of print 04.12.2009

15. Regulatory information

Regulations of the European union (Labelling)

EEC Directives:

Hazard symbol(s)	
N	Dangerous for the environment.
R-phrase(s)	
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s)	
S2	Keep out of the reach of children.
S13	Keep away from food, drink and animal feeding stuffs.
S20/21	When using do not eat, drink or smoke.
S35	This material and its container must be disposed of in a safe way.
S67	Use appropriate container to avoid environmental contamination.

Hazard determining component(s) for labelling: ALPHA-CYPERMETHRIN

Other regulations

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

16. Other information

Organization that prepared the MSDS: RCQM
Person who prepared the MSDS: Derrick Clarin
Address/ Tel: BASF Philippines, Inc., 103 Progress Ave., Carmelray Industrial Park I, Calamba, Laguna, Philippines. +6328894321
Date the MSDS was prepared: See top of the page

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 2:

T	Toxic.
N	Dangerous for the environment.
20	Harmful by inhalation
25	Toxic if swallowed.
37/38	Irritating to respiratory system and skin.
48/22	Harmful, danger of serious damage to health by prolonged exposure if swallowed.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

BASF Safety data sheet
Date / Revised: 09.05.2007
Product: FENDONA® 1.5 SC

Version: 2.0

310 22 I
(30254840/SDS_CPA_PH/EN)

Date of print 04.12.2009

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

FDA-2019C9IPFXF3L3I3YCWD97FD



Republic of the Philippines
Department of Health
FOOD AND DRUG ADMINISTRATION



CERTIFICATE OF PRODUCT REGISTRATION

Pursuant to the provision of R.A. 9711 otherwise known as "Food and Drug Administration (FDA) Act of 2009" and its implementing rules and regulations, Presidential Decree 881 and Administrative Order 303 s. 1976, the product described hereunder has been found to conform with the requirements and standards for marketing authorization of household urban pesticide products per existing regulations in force as of date hereof.

Registration Number : HSR-5860
Product Name : **PERVADE 10 EC HOUSEFLY & MOSQUITO INSECTICIDE**
Active Ingredient/s : Permethrin 10%
Intended Use : For indoor space spraying using water as diluent against flies and mosquitoes
Packaging : 1 Liter
Manufacturer : Yixing Xingnong Chemical Products Co. Ltd.
Wanshi Town, Yixing City, Jiangsu Province, China
Source : Nova Agro (HK) Ltd.
Hongkong
Importer/Distributor : Novicide, Inc.
G/F PSC 2410 Belarmino St., Bangkal, Makati, Metro Manila

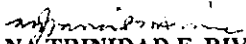
The marketing authorization shall be valid for 5 year(s) and shall expire on 29 January 2024 subject to the conditions listed on the reverse side.

No change in the formulation, labeling and commercial presentation of this product shall be made at any time during the effectivity of this registration without prior written approval of this Office.

This marketing authorization is subject to suspension, cancellation or recall should any violation of Republic Act 9711, Presidential Decree 881 and/or regulations issued thereunder involving the product be committed.

WITNESS MY HAND and the Seal of this Office, 29th day of March 2019.

BY AUTHORITY OF THE DIRECTOR GENERAL:


ENGR. ANA TRINIDAD F. RIVERA, MSc.
Director IV, Center for Cosmetics Regulation and Research

Reg. Status : Renewal
DTN : 20190104105934
O.R. No. : 1084214
Amount : Php 2,525.00



SAFETY DATA SHEET

PRODUCT : PERVADE 10EC
EFFECTIVE DATE : June 2018
REVISION NO : 3
PAGE : 1 of 4

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

NOVA AGRO (HK) LTD.
Rooms 1101A – 4 Mass Mutual Tower/
China Evergrande Centre
38 Gloucester Rd
HONG KONG.

Trade Name	PERVADE 10EC
Common Name	Permethrin
Chemical Name	3-phenoxybenzyl(1RS)-cis,trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
CAS No.	52645-53-1
Chemical Family	Synthetic Pyrethroid
Chemical Formula	$C_{21}H_{20}Cl_2O_3$
Use	Non-systemic insecticide for household use against flies and mosquitoes.

SECTION 2 – HAZARDS IDENTIFICATION

Statement of Hazardous Nature

Toxicity class: WHO IV; Unlikely to present acute hazard in normal use.

Likely routes of exposure: Skin and eye contact, ingestion and inhalation.

Ingestion:	Toxic by ingestion.
Inhalation:	Toxic by inhalation.
Skin contact:	Moderately irritating.
Eye contact:	Very irritating.
Risk Phrases:	R24, R52
R20/22	Harmful by inhalation and if swallowed.
R50	Very toxic to aquatic organisms.
R57	Toxic to Bees.

Safety phrases:	
S2	Keep out of reach of children.
S13	Keep away from food, drink and animal foodstuffs.
S28	After contact with skin, wash immediately with plenty of water and non-abrasive soap.
S36/37/39	Wear protective clothing, gloves and eye/face protection
UN Number	3082. Environmentally hazardous substance, Liquid, N.O.S.



GHS Signal word: Hazard statements

H302
H317
H319
H335
H410

EUH401

WARNING

Harmful if swallowed.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory irritation.
Very toxic to aquatic life with long lasting effects.
To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308 + P311	IF exposed or concerned: Call a POISON CENTER/ doctor/ physician.
P501	Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as nonhazardous waste.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components: Permethrin 52645-53-1 100g/litre

SECTION 4 - FIRST AID MEASURES

General Information:

Acute exposure effects in humans include the following: ataxia, convulsions leading to muscle fibrillation and paralysis, dermatitis, edema, diarrhea, dyspnea, headache, hepatic microsomal enzyme induction, irritability, peripheral vascular collapse, rhinorrhea, serum alkaline phosphatase elevation, tinnitus, tremors, vomiting and death due to respiratory failure. Allergic reactions have included the following effects: anaphylaxis, bronchospasm, eosinophilia, fever, hypersensitivity pneumonia, pallor, pollinosis, sweating, sudden swelling of the face, eyelids, lips and mucous membranes, and



SAFETY DATA SHEET

PRODUCT : PERVADE 10EC
EFFECTIVE DATE : June 2018
REVISION NO : 3
PAGE : 2 of 4

tachycardia. Studies have shown many cases of dermal deltamethrin poisoning after agricultural use with inadequate handling precautions, and many cases of accidental or suicidal poisoning by the oral route at doses estimated to be 2 -250 mg/kg. Oral ingestion caused epigastric pain, nausea, vomiting and coarse muscular fasciculations. With doses of 100 -250 mg/kg, coma was caused within 15 -20 minutes.

Inhalation:

Remove source of contamination or move victim to fresh air. Keep affected person warm and at rest. Supply oxygen if necessary. Treat symptomatically and supportively. Seek medical advice immediately.

Skin contact:

Remove contaminated clothing, shoes and leather goods. Gently wipe of excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Seek medical advice if necessary.

Eye contact:

Immediately flush eyes with gently flowing cold water or saline solution for 20 minutes, holding the eyelid(s) open. Seek medical attention immediately.

Ingestion:

Have victim rinse mouth thoroughly with water. Do not induce vomiting, due to the aromatic solvent. Seek medical advice immediately.

Advice to physician:

There is no specific antidote if this product is ingested. If a large amount has been ingested and emesis is inadequate, lavage stomach. Treat symptomatically. An aqueous suspension of activated charcoal can be administered to absorb remaining toxicant.

SECTION 5 - FIRE FIGHTING MEASURES

Fire and explosion hazard:

Product is highly flammable and explosive due to the formulant (solvent) content.

Extinguishing agents:

Extinguish small fires with carbon dioxide, dry powder, or alcohol-resistant foam. Water spray can be used for cooling of unaffected stock, but avoid water coming in contact with the product. Contain water used for firefighting for later disposal. Avoid the accumulation of polluted run-off from the site.

Fire fighting:

Remove spectators from surrounding area. Remove container from fire area if possible. Fight fire from maximum distance. For massive fire, use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Use a recommended extinguishing agent for the type of surrounding fire. Water can be used to cool unaffected containers but must be contained for later disposal. Avoid inhaling hazardous

vapours. Keep upwind.

Personal protective equipment:

Wear full protective clothing and single or double cartridge respirators.

SECTION 6 - ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Personal precautions:

Do not inhale fumes. Ventilate area of spill or leak, especially confined areas. Avoid contact with skin, eyes or clothes. For personal protection see Section 8.

Environmental precautions:

Do not allow to enter drains or water courses. When the product contaminates public waters, inform appropriate authorities immediately in accordance with local regulations.

Occupational spill:

For small spills, soak up sand or suitable non-combustible absorbent material, place into containers for subsequent disposal. Thoroughly wash body areas, which come into contact with the product. Avoid runoff to sewer as it may cause fire/explosion. Do not allow the product to come in contact with water systems. For large spills contact the manufacturer. Contain liquid far ahead of spill. Contain spillage and contaminated water for subsequent disposal. Do not flush spilled material into drains. Keep spectators away and upwind.

SECTION 7 - HANDLING AND STORAGE

Handling:

Remove sources of naked flame or sparks. Harmful by inhalation or if swallowed. Avoid contact with eyes and skin and inhalation of fumes. Use with adequate ventilation. Wash hands before eating, drinking, chewing gum, smoking or using the toilet. Operators should change and wash clothing daily. Remove clothing immediately if the insecticide gets inside. Then wash skin thoroughly using a non-abrasive soap and put on clean clothing. Do not apply directly to areas where surface water is present, or to intertidal areas below the mean high water mark. Water used to clean equipment must be disposed of correctly to avoid contamination

Storage:

Store in its original container in isolated, dry, cool and well-ventilated area. Avoid cross contamination with other pesticides and fertilizers. Keep under lock and key out of reach of unauthorized persons, children and animals. Store away from incompatible substances. Not to be stored next to foodstuffs and water supplies. Local regulations should be complied with.



SAFETY DATA SHEET

PRODUCT : PERVADE 10EC
EFFECTIVE DATE : June 2018
REVISION NO : 3
PAGE : 3 of 4

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation, packaging and use of this product. For commercial applications and/or on-farm applications consult the product label.

Eye protection:

Protective eyewear or chemical safety glasses with side shields or chemical goggles when working in non-ventilated spaces.

Skin protection:

Long-sleeve shirt, long pants, shoes plus socks.

Hand protection:

Chemical-resistant gloves.

Respirator requirements:

None likely to be needed. NIOSH approved P class filtering face piece or respirator may be used to minimize inhalation of aerosols.

Work hygienic practices:

Clean water should be available to rinse eyes and skin in case of chemical exposure. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Additional protective measures:

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User safety recommendations:

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothes.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, amber-brown liquid.
Odour: Aromatic.
Flammability: Extremely flammable (due to solvent).
Explosive properties: Explosive (due to solvent) in enclosed space (between 1% and 7% in air).
Flash point: 35°C (Tag Closed Cup method).
pH: Not available.

Relative density: 1.07g/l at 20°C.
Storage stability: Stable for up to 2 years under normal warehouse and field conditions.
The product was found to be stable after 14 days at 54°C ($\pm 1^\circ\text{C}$) and 0°C ($\pm 1^\circ\text{C}$) in accelerated storage test.
Suspensibility: Not applicable.
Dilution stability: Stable.
Solubility in water: Immediately forms an emulsion in water.

SECTION 10 - STABILITY AND REACTIVITY

Stability: The product is stable at room temperature.

No significant active ingredient degradation occurs after more than 14 days at 54°C ($\pm 1^\circ\text{C}$). The product is considered stable after 7 days at 0°C ($\pm 1^\circ\text{C}$).

Incompatibility: This product is compatible with most other insecticides used in cotton.

Conditions and materials to avoid: Avoid exposure to extreme temperatures. Strong oxidizers.

Hazardous decomposition products: May release irritating and toxic gases due to thermal decomposition. Products of combustion include CO and CO₂.

Hazardous polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity/irritation studies:

Acute Oral LD₅₀ (Rat): 500 – 2,000 mg/kg
Acute Dermal LD₅₀ (Rabbit): >5,000 mg/kg
Acute Inhalation LC₅₀ (Rat): >2.08 mg/L
Eye Irritation: Mildly irritating
Skin Irritation: Moderately irritating
Dermal Sensitization: Contact sensitizer
Routes of exposure: Skin, eye, inhalation, ingestion.

Potential health effects:

Skin contact: Moderately irritating. Permethrin may cause tingling sensation known as parasthesia at point of contact.

Eye contact: Mildly irritating. May cause redness and tearing.

Ingestion: Permethrin is a neurotoxin. Ingestion may induce neurotoxic symptoms including diarrhea, salivation, tremors, convulsions, hyperactivity and hypersensitivity to touch or sound.

Inhalation: May cause nasal or respiratory irritation.

Other toxicological information: (Based on Permethrin Technical)

Carcinogenicity:

Studies did not detect any carcinogenic activity.

Teratogenicity:



SAFETY DATA SHEET

PRODUCT : PERVADE 10EC
EFFECTIVE DATE : June 2018
REVISION NO : 3
PAGE : 4 of 4

Studies did not detect any teratogenic effects.

Mutagenicity:

Studies did not detect any mutagenic activity.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental hazards: This pesticide is highly toxic to fish. Do not apply directly to water. Avoid contamination of ornamental fish ponds. Drifts and runoff from treated areas may be hazardous to aquatic organisms in treated areas. Do not contaminate water when cleaning equipment or disposing of equipment wash water. This product is highly toxic to blooming crops or weeds while bees are actively visiting the treatment area.

Bioaccumulation: Unlikely to bioaccumulate due to acute toxicity.

Environmental fate: The average half-life of permethrin in aerobic soils is 39.5 days, with a range from 11.6 to 113 days. Permethrin binds tightly to soil and is broken down primarily by microorganisms, but also by photolysis.

Ecotoxicological information:

Rainbow trout LC₅₀ (24h): 0.62 µg/l

Bluegill sunfish LC₅₀ (48h): 0.79 µg/l

Bobwhite quail LD₅₀ (8-day): 5,200 ppm

SECTION 13 - DISPOSAL CONSIDERATIONS

Pesticide disposal:

Contaminated absorbents, surplus product, etc., should be burned in a high-temperature incinerator (>1000°C) with effluent gas scrubbing. Where no incinerator is available surplus product should be diluted and buried in designated landfill. Never pour untreated waste or surplus products into public sewers or where there is any danger of run-off or seepage into water systems. Comply with local legislation applying to waste disposal.

Package product wastes:

Emptied containers retain vapour and product residues. Observe all labeled safeguards until container is destroyed. Combustible containers should be disposed of in pesticide incinerators. Non-combustible containers must be triple rinsed with water and then be punctured and transported to a scrap metal facility for recycling or disposal in approved landfill site. Comply with any local legislation applying to disposal.

SECTION 14 - TRANSPORT INFORMATION

DOT (ground)

Not regulated

IMO (vessel):

UN3082, Environmentally hazardous substance, liquid, n.o.s. (permethrin),

9, PG III, marine pollutant

IATA (air):

UN3082, Environmentally hazardous substance, liquid, n.o.s. (permethrin),

9, PG III, marine pollutant

SECTION 15 - REGULATORY INFORMATION

CAUTION - Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

16. OTHER INFORMATION

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces formulations(s) containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.

FDA-7019CC6FDVAYED7MUHKIAZTC



Republic of the Philippines
Department of Health
FOOD AND DRUG ADMINISTRATION



CERTIFICATE OF PRODUCT REGISTRATION

Pursuant to the provision of R.A. 9711 otherwise known as "Food and Drug Administration (FDA) Act of 2009" and its implementing rules and regulations, Presidential Decree 881 and Administrative Order 303 s. 1976, the product described hereunder has been found to conform with the requirements and standards for marketing authorization of household urban pesticide products per existing regulations in force as of date hereof.

Registration Number : HSR-6550

Product Name : **OPTIGARD COCKROACH BAIT**

Active Ingredient/s : Enniamectin Benzothio 0.1%

Intended Use : For the control of cockroaches

Packaging : HDPE/COEX syringe, 5 & 30g

Manufacturer : Fumakilla Malaysia Berhad
Plot No. 256, Tingkat Perusahaan 5, Kawasan Perindustrian Perai
2, 13600 Palau, Pinang Malaysia

Importer/Distributor : Syngenta Philippines, Inc.
12/F Two World Square, 22 Upper McKinley Rd., McKinley Town
Center, Fort Bonifacio, Taguig City

The marketing authorization shall be valid for 5 year(s) and shall expire on 19 July 2024 subject to the conditions listed on the reverse side.

No change in the formulation, labeling and commercial presentation of this product shall be made at any time during the effectivity of this registration without prior written approval of this Office.

This marketing authorization is subject to suspension, cancellation or recall should any violation of Republic Act 9711, Presidential Decree 881 and/or regulations issued thereunder involving the product be committed.

WITNESS MY HAND and the Seal of this Office, 23rd day of October 2019.

BY AUTHORITY OF THE DIRECTOR GENERAL:


ENGR. ANA TRINIDAD F. RIVERA, MSc.
Director IV, Center for Cosmetics Regulation and Research

Reg. Status (Retired)
DTN : 20160915-4189
CRJ. No. : 19-7531
Approved : Hrs 2,523.00
Date : 07 March 2019
S/TM/MSR/emb

Safety Data Sheet



OPTIGARD® COCKROACH GEL BAIT

Date: 4/12/2017
Replaces: 3/31/2017

1. PRODUCT IDENTIFICATION

Product identifier on label: **OPTIGARD® COCKROACH GEL BAIT**

Product No.: A15276C
Use: Insecticide
Manufacturer: Syngenta Crop Protection, LLC
Post Office Box 18300
Greensboro NC 27419
Manufacturer Phone: 1-800-334-9481
Emergency Phone: 1-800-888-8372

2. HAZARDS IDENTIFICATION

Classifications: Not Applicable
Signal Word (OSHA): Not Applicable
Hazard Statements: Not Applicable

Hazard Symbols:

Precautionary Statements: Not Applicable

Other Hazard Statements: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Common Name	CAS Number	Concentration
Other ingredients	Other ingredients	Trade Secret	99.9%
Avermectin B1, 4"-deoxy-4"- (methylamino)-,(4"R)-, benzoate (salt)	Emamectin Benzoate	155569-91-8	0.1%

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Have the product container, label or Safety Data Sheet with you when calling Syngenta (800-888-8372), a poison control center or doctor, or going for treatment.

Ingestion: If swallowed: Call Syngenta (800-888-8372), a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so after calling 800-888-8372 or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Safety Data Sheet



OPTIGARD® COCKROACH GEL BAIT

Date: 4/12/2017

Replaces: 3/31/2017

Eye Contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

Skin Contact: If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

Inhalation: If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call Syngenta (800-888-8372), a poison control center or doctor for further treatment advice.

Most important symptoms/effects:

Not Applicable

Indication of immediate medical attention and special treatment needed:

Early signs of intoxication include dilation of pupils, muscular incoordination and muscular tremors. Vomiting within one-half hour of exposure can minimize toxicity following accidental ingestion of the product; rapidly after exposure (<15 minutes) administer repeatedly medical charcoal in a large quantity of water or ipecac. If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parental fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms and measurements.

In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since emamectin benzoate is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic emamectin benzoate exposure.

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use dry chemical, foam or CO₂ extinguishing media. If water is used to fight fire, dike and collect runoff.

Specific Hazards:

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

Special protective equipment and precautions for firefighters:

Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:

Follow exposure controls/personal protection outlined in Section 8.

Methods and materials for containment and cleaning up:

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Sweep up material and place in a compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. HANDLING AND STORAGE

Precautions for safe handling:

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Safety Data Sheet



OPTIGARD® COCKROACH GEL BAIT

Date: 4/12/2017

Replaces: 3/31/2017

Conditions for safe storage, including any incompatibilities:
Not Applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Occupational Exposure Limits:

Chemical Name	OSHA PEL	ACGIH TLV	Other	Source
Other ingredients	Not Established	Not Established	Not Established	Not Applicable
Emamectin Benzoate	Not Established	Not Established	0.02 mg/m ³ TWA	Syngenta

Appropriate engineering controls:

Use effective engineering controls to comply with occupational exposure limits (if applicable).

Individual protection measures:

Ingestion:

Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Eye Contact:

Where eye contact is likely, use dust-proof chemical goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Skin Contact:

Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride [PVC] or Viton), coveralls, socks and chemical-resistant footwear.

Inhalation:

A particulate filter respirator may be necessary until effective engineering controls are installed to comply with occupational exposure limits. Use a NIOSH certified respirator with any R, P or HE filter.

Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light brown to dark brown solid

Odor: Peanut-like

Odor Threshold: Not Available

pH: 3 - 7 (1% in deionized water)

Melting point/freezing point: Not Applicable

Initial boiling point and boiling range: Not Available

Flash Point (Test Method): Not Available

Flammable Limits (% in Air):

Flammability: Not Available

Safety Data Sheet



OPTIGARD® COCKROACH GEL BAIT

Date: 4/12/2017

Replaces: 3/31/2017

Vapor Pressure: Emamectin Benzoate 3 x 10⁽⁻⁸⁾ mmHg @ 70°F (21°C)

Vapor Density: Not Available

Relative Density: 1.097 g/cm³ @ 77°F (25°C)

Solubility (ies): Emamectin Benzoate 30 - 50 ppm (pH 7)

Partition coefficient: n-octanol/water:

Autoignition Temperature: Not Available

Decomposition Temperature: Not Available

Viscosity: Not Available

Other:

10. STABILITY AND REACTIVITY

Reactivity: Not reactive.

Chemical stability: Stable under normal use and storage conditions.

Possibility of hazardous reactions: Will not occur.

Conditions to Avoid: None known.

Incompatible materials: None known.

Hazardous Decomposition Products: None known.

11. TOXICOLOGICAL INFORMATION

Health effects information

Likely routes of exposure: Dermal, Inhalation

Symptoms of exposure: Not Applicable

Delayed, immediate and chronic effects of exposure: Not Applicable

Numerical measures of toxicity (acute toxicity/irritation studies (finished product))

Ingestion:	Oral (LD50 Female Rat) :	> 5000 mg/kg body weight (based on a substantially similar formulation)
Dermal:	Dermal (LD50 Rat) :	> 5050 mg/kg body weight (based on a substantially similar formulation)
Inhalation:	Inhalation (LC50 Female Rat) :	> 5 mg/l air - 4 hours (based on a substantially similar formulation)
Eye Contact:	Moderately Irritating (Rabbit) (based on a substantially similar formulation)	
Skin Contact:	Practically Non-Irritating (Rabbit) (based on a substantially similar formulation)	
Skin Sensitization:	Not a Sensitizer (Guinea Pig) (based on a substantially similar formulation)	

Safety Data Sheet



OPTIGARD® COCKROACH GEL BAIT

Date: 4/12/2017

Replaces: 3/31/2017

Reproductive/Developmental Effects

Emamectin Benzoate: Developmental and reproductive toxicity observed in dosages that are toxic to mature animals.

Chronic/Subchronic Toxicity Studies

Emamectin Benzoate: Tremors and nerve lesions observed at lowest dose tested in rabbits. Bladder changes reported in rats.

Carcinogenicity

Emamectin Benzoate: None observed.

Chemical Name	NTP/IARC/OSHA Carcinogen
Other ingredients	No
Avermectin B1, 4"-deoxy-4"-(methylamino)-, (4"R)-, benzoate (salt)	No

Other Toxicity Information

None

Toxicity of Other Components

Other ingredients
Not Established

Target Organs

Active Ingredients

Emamectin Benzoate: Central nervous system, bladder

Inert Ingredients

Other ingredients: Not Established

12. ECOLOGICAL INFORMATION

Eco-Acute Toxicity

Emamectin Benzoate:
Fish (Rainbow Trout) 96-hour LC50 174 ppb
Green Algae 5-day EC50 > 3.9 ppb
Invertebrate (Water Flea) Daphnia Magna 48-hour EC50 1.0 ppb
Bird (Mallard Duck) 14-day LD50 46 mg/kg

Environmental Fate

Emamectin Benzoate:
The information presented here is for the active ingredient, emamectin benzoate.
Low bioaccumulation potential. Persistent in soil. Stable in water. Immobile in soil. Sinks in water (after 24 h).

13. DISPOSAL CONSIDERATIONS

Disposal:

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

Characteristic Waste: Not Applicable

Listed Waste: Not Applicable

Safety Data Sheet



OPTIGARD® COCKROACH GEL BAIT

Date: 4/12/2017

Replaces: 3/31/2017

14. TRANSPORT INFORMATION

DOT Classification

Ground Transport - NAFTA
Not regulated

Comments

Water Transport - International

Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Emamectin Benzoate), Marine Pollutant

Hazard Class: Class 9

Identification Number: UN 3077

Packing Group: PG III

Air Transport

Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Emamectin Benzoate)

Hazard Class: Class 9

Identification Number: UN 3077

Packing Group: PG III

15. REGULATORY INFORMATION

Pesticide Registration:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Caution: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

EPA Registration Number(s):

100-1290

EPCRA SARA Title III Classification:

Section 311/312 Hazard Classes: Acute Health Hazard

Section 313 Toxic Chemicals: None

CERCLA/SARA 304 Reportable Quantity (RQ):

None

RCRA Hazardous Waste Classification (40 CFR 261):

Not Applicable

TSCA Status:

Exempt from TSCA, subject to FIFRA

Safety Data Sheet



OPTIGARD® COCKROACH GEL BAIT

Date: 4/12/2017

Replaces: 3/31/2017

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 1
Flammability: 1
Instability: 0

HMIS Hazard Ratings

Health: 1
Flammability: 1
Physical Hazard: 0

0	Minimal
1	Slight
2	Moderate
3	Serious
4	Extreme
*	Chronic

Syngenta Hazard Category: A

For non-emergency questions about this product call:

1-800-334-9481

Original Issued Date: 5/18/2011

Revision Date: 4/12/2017

Replaces: 3/31/2017

Section(s) Revised: 1-16

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.



FDA-2020ND2E98F7MG4AK4BQONU8



Republic of the Philippines
Department of Health
FOOD AND DRUG ADMINISTRATION



CERTIFICATE OF PRODUCT REGISTRATION

Pursuant to the provision of R.A. 9711 otherwise known as "Food and Drug Administration (FDA) Act of 2009" and its implementing rules and regulations, Presidential Decree 881 and Administrative Order No. 2019-0008, the product described hereunder has been found to conform with the requirements and standards for marketing authorization of household urban pesticide products per existing regulations in force as of date hereof.

- Registration Number : HSR-8145
- Product Name : **DIPTHOR® DUO**
- Active Ingredient : Cypermethrin - 25g/L (2.5%)
- Intended Use : Space Treatment Insecticide against mosquitoes
(For Professional Use)
- Packaging : 500mL & 1Liter Jar
- Manufacturer : Ensystem Australasia Pty Ltd.
Unit 3, The Junction Estate, 4-6 Junction Street, Auburn NSW
2144, Australia
- Distributor : Ensystem Philippines, Inc.
330 Calvo Bldg., 266 Escolta, Binondo, Manila, Metro Manilla

The marketing authorization shall be valid for 5 years and shall expire on 30 June 2025 subject to the conditions listed on the reverse side.

No change in the formulation, labeling and commercial presentation of this product shall be made at any time during the effectivity of this registration without prior written approval of this Office.

This marketing authorization is subject to suspension, cancellation or recall should any violation of Republic Act 9711, Presidential Decree 881 and/or regulations issued thereunder involving the product be committed.

WITNESS MY HAND and the Seal of this Office, 30th day of June 2020.

BY AUTHORITY OF THE DIRECTOR GENERAL:


ENGR. ANA TRINIDAD F. RIVERA, MSc
Director IV, Center for Cosmetics Regulation and Research

Reg. Status : Initial
DTN : 20191024093508
O.R. No. : 1201734
Amount : P2 525.00



Republic of the Philippines
Department of Health
FOOD AND DRUG ADMINISTRATION



CERTIFICATE OF PRODUCT REGISTRATION

Pursuant to the provision of R.A. 9711 otherwise known as "Food and Drug Administration (FDA) Act of 2009" and its implementing rules and regulations, Presidential Decree 881 and Administrative Order No. 2019-0008, the product described hereunder has been found to conform with the requirements and standards for marketing authorization of household urban pesticide products per existing regulations in force as of date hereof.

Registration Number : HSR-8147

Product Name : CYMFLEX 5 EC

Active Ingredient : Cypermethrin – 50g/L (5%)

Intended Use : Surface and Space Treatment Insecticide against Cockroaches, Thief Ants, Mosquitoes and Flies

User Category : For Professional Use

Packaging : 100, 250, 500 & 1,000mL PET bottle

Manufacturer : PT. Syngenta Indonesia
Jakarta, Indonesia

Distributor : Syngenta Philippines, Inc.
12/F Two World Square, 22 Upper Mckinley Rd., Mckinley
Tower Center, Fort Bonifacio, Taguig City

The marketing authorization shall be valid for 5 years and shall expire on 13 July 2025 subject to the conditions listed on the reverse side.

No change in the formulation, labeling and commercial presentation of this product shall be made at any time during the effectivity of this registration without prior written approval of this Office.

This marketing authorization is subject to suspension, cancellation or recall should any violation of Republic Act 9711, Presidential Decree 881 and/or regulations issued thereunder involving the product be committed.

WITNESS MY HAND and the Seal of this Office, 13th day of July 2020.

BY AUTHORITY OF THE DIRECTOR GENERAL:


ENGR. ANA TRINIDAD F. RIVERA, MSc
Director IV, Center for Cosmetics Regulation and Research

Reg. Status : Initial
DTN : 20191113145807
O.R. No. : 1214577
Amount : P2,525.00
Date : 21 Nov 2019
OCC/MMR:adm

CONDITIONS:

- A- Name, complete address and contact information of the market authorization holder (MAH) must appear on the label.
- B- Registration Number must appear on the label as HSR-8147.
- C- Net content expressed in metric unit must appear on the label.
- D- DIRECTION FOR USE, must appear on the label.
- E- Product or User Category: For Professional Use must appear on the label.
- F- The following Globally Harmonized System of Classification and Labelling of Chemicals (GHS) label elements (health hazards, environmental hazards and physical hazards) must be printed on the label:
 - Color Band: Blue
 - Pictogram: Health Hazard, Flame, Environment, Exclamation mark, Corrosion
 - Signal Word: Danger
 - Hazard Statements: Harmful if inhaled, May be fatal if swallowed & enter airways, Causes serious eye damage, May cause respiratory irritation, Causes skin irritation, May cause drowsiness or dizziness, Very toxic to aquatic life with long lasting effects, Flammable liquid and vapour.
 - Precautionary Statements: ____
 - Others:
- G- Submit final printed label and commercial sample within six (6) months from receipt of this initial/renewal registration.
- H- In case there are gaps found upon the bio-efficacy data, marketing authorization will be for outright cancellation.
- I- In case of banning of the ingredients, marketing authorization will be for outright cancellation.

SPECIAL CONDITION:

The registration of the product herein granted shall not be interpreted or construed as an endorsement or representation by FDA, that Registrant has the right or privilege to the use of the name or brand so registered. Registrant hereby agree and affirm to indemnify and/or hold FDA free and harmless against any and all third-party claims on infringement of patent, trademark or intellectual property rights arising from the registration of product(s) listed on the other side hereof.

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8 2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : CYMFLEX 5 EC
Design code : A8214C

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Insecticide

1.3 Details of the supplier of the safety data sheet

Company : Syngenta Crop Protection AG
Postfach
CH-4002 Basel
Switzerland

Telephone : +41 61 323 11 11

Telefax : +41 61 323 12 12

E-mail address of person responsible for the SDS : sds.ch@syngenta.com

1.4 Emergency telephone number

Emergency telephone number : +44 1484 538444

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapour.

Serious eye damage, Category 1 H318: Causes serious eye damage.

Specific target organ toxicity - single exposure, Category 3, Central nervous system H336: May cause drowsiness or dizziness.

Specific target organ toxicity - single exposure, Category 3, Respiratory system H335: May cause respiratory irritation.

Aspiration hazard, Category 1 H304: May be fatal if swallowed and enters

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8.2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

airways.
Acute aquatic toxicity, Category 1 H400: Very toxic to aquatic life.
Chronic aquatic toxicity, Category 1 H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H410 Very toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements : EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.

Hazardous components which must be listed on the label:

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified
Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy-
calcium dodecylbenzenesulphonate
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**CYMFLEX 5 EC**

Version 8. 2 Revision Date: .09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

May cause temporary itching, tingling, burning or numbness of exposed skin, called paresthesia.

SECTION 3: Composition/information on ingredients**3.2 Mixtures****Hazardous components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	64742-95-6 265-199-0 649-356-00-4 01-2119455851-35	Flam. Liq. 3; H226 STOT SE 3; H336 STOT SE 3; H335 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 70 - < 90
cypermethrin cis/trans +/- 40/60	52315-07-8 257-842-9 607-421-00-4	Acute Tox. 4; H302 Acute Tox. 4; H332 STOT SE 3; H335 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 2.5 - < 10
Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy-	9016-45-9 500-024-6	Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 3 - < 10
calcium dodecylbenzenesulphonate	26264-06-2 247-557-8	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 3 - < 10
2-[2-(4-nonylphenoxy)ethoxy]ethanol	68412-54-4 500-209-1	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	>= 1 - < 2.5
2-methylpropan-1-ol	78-83-1 201-148-0 603-108-00-1 01-2119484609-23	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336 STOT SE 3; H335	>= 1 - < 3

For explanation of abbreviations see section 16.

CYMFLEX 5 EC

Version 8. 2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.
- If inhaled : Move the victim to fresh air.
If breathing is irregular or stopped, administer artificial respiration.
Keep patient warm and at rest.
Call a physician or poison control centre immediately.
- In case of skin contact : Take off all contaminated clothing immediately.
Wash off immediately with plenty of water.
If skin irritation persists, call a physician.
Wash contaminated clothing before re-use.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses.
Immediate medical attention is required.
- If swallowed : If swallowed, seek medical advice immediately and show this container or label.
Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Aspiration may cause pulmonary oedema and pneumonitis.
Skin contact paresthesia effects (itching, tingling, burning or numbness) are transient, lasting up to 24 hours.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Do not induce vomiting: contains petroleum distillates and/or aromatic solvents.
Treat symptomatically.
-

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Extinguishing media - small fires
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media - large fires
Alcohol-resistant foam
- Unsuitable extinguishing : Do not use a solid water stream as it may scatter and spread
-

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8, 2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

media

fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.
Flash back possible over considerable distance.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.
Further information : Do not allow run-off from fire fighting to enter drains or water courses.
Cool closed containers exposed to fire with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Refer to protective measures listed in sections 7 and 8. Keep people away from and upwind of spill/leak. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Remove all sources of ignition. Pay attention to flashback.

6.2 Environmental precautions

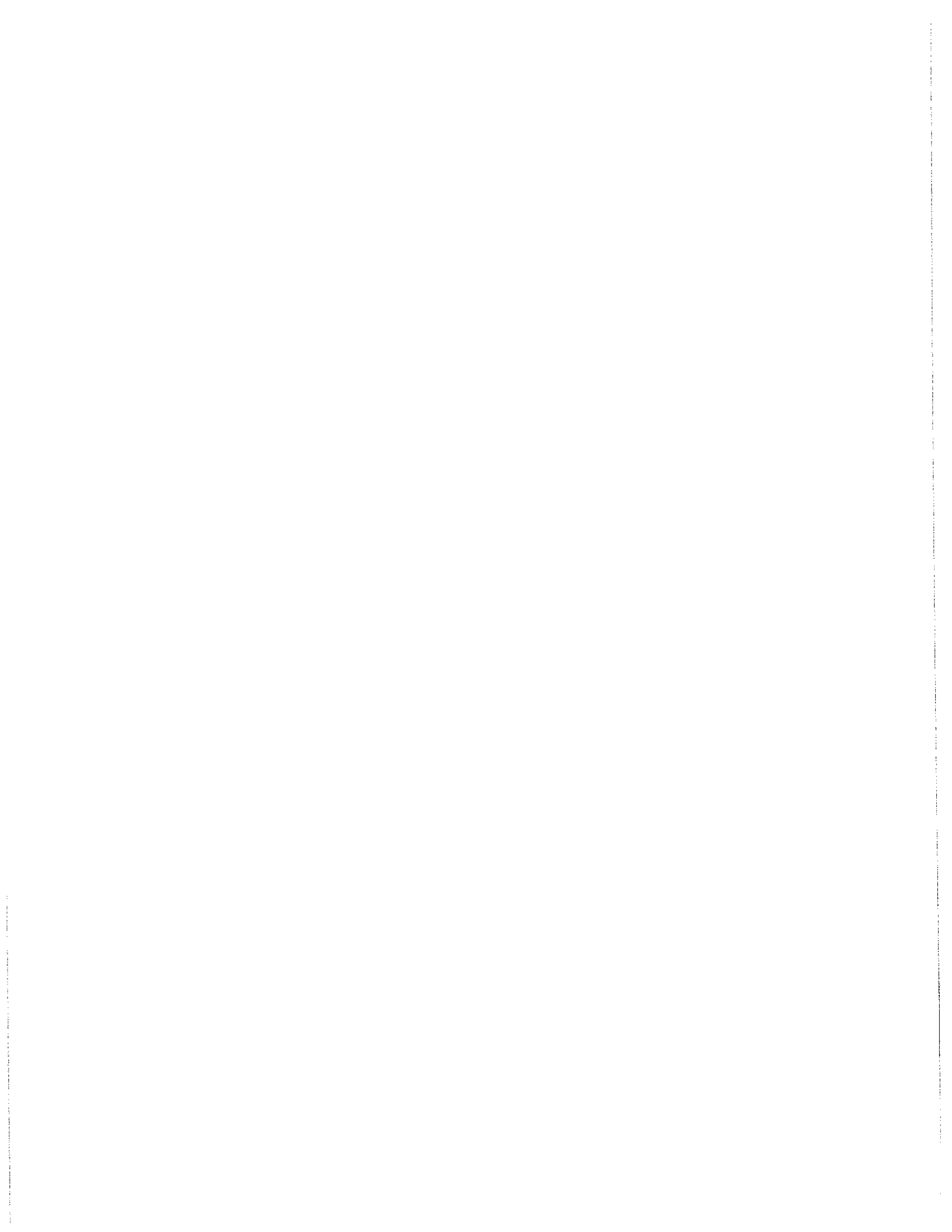
Environmental precautions : Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. Retain and dispose of contaminated wash water.

6.4 Reference to other sections

For disposal considerations see section 13., Refer to protective measures listed in sections 7 and 8.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8.2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
Use only in an area containing flame proof equipment.
Take precautionary measures against static discharges.
For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from combustible material. Keep in an area equipped with sprinklers. Keep away from food, drink and animal feedingstuffs. No smoking.

Further information on storage stability : Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

7.3 Specific end use(s)

Specific use(s) : For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	64742-95-6	TWA	19 ppm 100 mg/m ³	Supplier
cypermethrin cis/trans +/- 40/60	52315-07-8	TWA	0.5 mg/m ³	Syngenta
2-methylpropan-1-ol	78-83-1	TWA	50 ppm 150 mg/m ³	CH SUVA
Further information	National Institute for Occupational Safety and Health, Institut National de Recherche et de Sécurité pour la prévention des accidents du travail et des maladies professionnelles, Harm to the unborn child is not to be expected when the OEL-value is respected			
	78-83-1	STEL	50 ppm 150 mg/m ³	CH SUVA
Further information	National Institute for Occupational Safety and Health, Institut National de Recherche et de Sécurité pour la prévention des accidents du travail et des			

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8.2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

	maladies professionnelles, Harm to the unborn child is not to be expected when the OEL-value is respected
--	-----------------------------------------------------------------------------------------------------------

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
calcium dodecylbenzenesulphonate	Workers	Dermal	Long-term systemic effects	1.7 mg/kg
	Consumers	Dermal	Acute systemic effects	85 mg/kg
	Consumers	Oral	Long-term local effects	89 mg/kg
2-methylpropan-1-ol	Workers	Inhalation	Long-term systemic effects, Long-term local effects	310 mg/m3
	Consumers	Inhalation	Long-term systemic effects, Long-term local effects	55 mg/m3
	Consumers	Oral	Long-term systemic effects, Long-term local effects	25 mg/kg
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	Workers	Inhalation	Long-term systemic effects	150 mg/m3
	Workers	Dermal	Long-term systemic effects	25 mg/kg
	Consumers	Inhalation	Long-term systemic effects	32 mg/m3
	Consumers	Oral	Long-term systemic effects	11 mg/kg
	Consumers	Oral	Long-term systemic effects	11 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
calcium dodecylbenzenesulphonate	Fresh water	0.023 mg/l
	Marine water	0.0023 mg/l
	Intermittent use/release	0.01 mg/l
	Fresh water sediment	0.174 mg/kg
	Marine sediment	0.0174 mg/kg
	Sewage treatment plant	3 mg/kg
2-methylpropan-1-ol	Soil	0.62 mg/kg
	Fresh water	0.4 mg/l
	Sewage treatment plant	10 mg/l
	Soil	0.0699 mg/kg
	Marine sediment	0.152 mg/kg
	Fresh water sediment	1.52 mg/kg
	Marine water	0.04 mg/l

CYMFLEX 5 EC

Version 8. 2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

8.2 Exposure controls

Engineering measures

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.

The extent of these protection measures depends on the actual risks in use.

Maintain air concentrations below occupational exposure standards.
Where necessary, seek additional occupational hygiene advice.

Personal protective equipment

Eye protection : Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.
Tightly fitting safety goggles
Face-shield

Use eye protection according to EN 166.

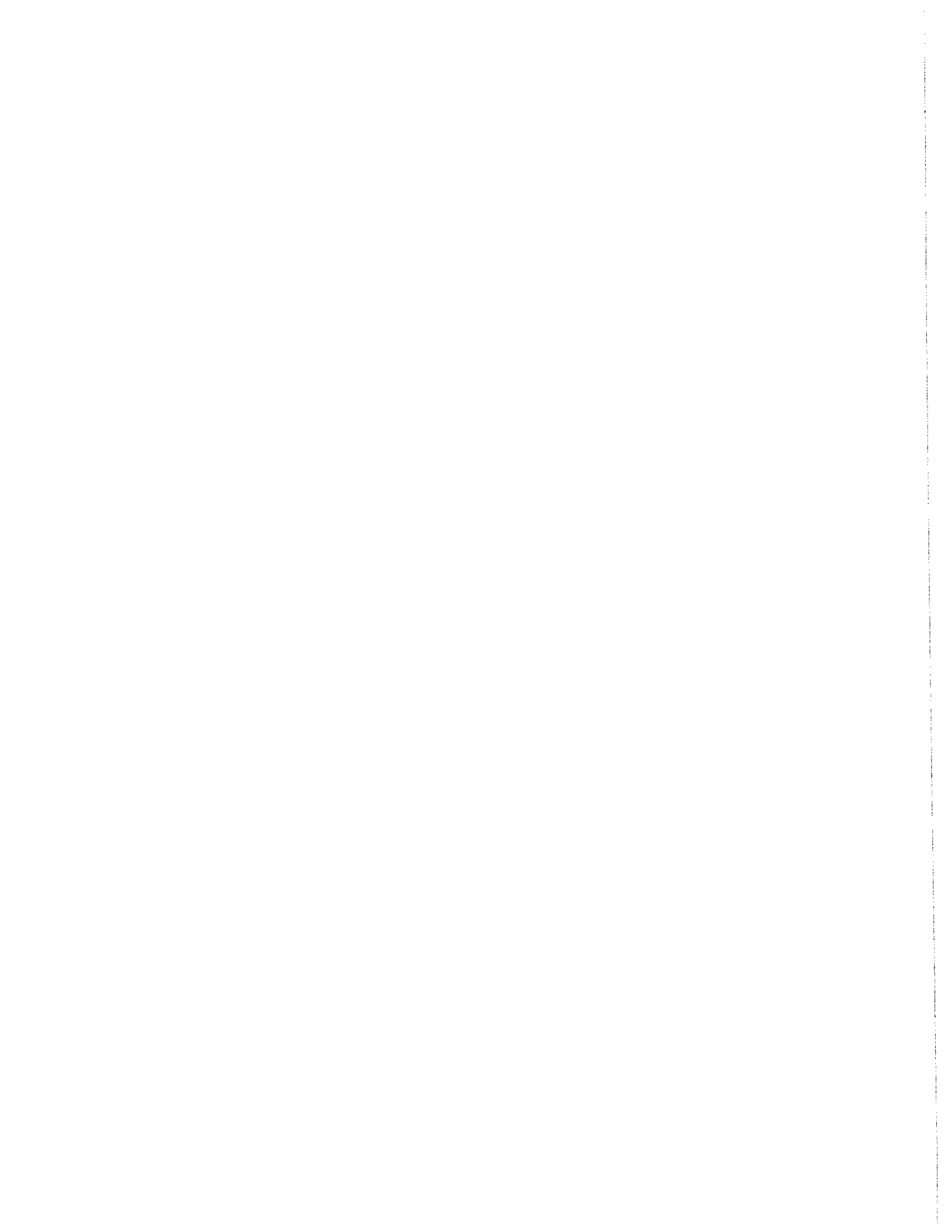
Hand protection

Material : Nitrile rubber
Break through time : > 480 min
Glove thickness : 0.5 mm

Remarks : Wear protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Remove and wash contaminated clothing before re-use.
Wear as appropriate:
Impervious clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Suitable respiratory equipment:
Respirator with combination filter for vapour/particulate (EN



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version
8.2

Revision Date:
09.06.2020

SDS Number:
S00000000433

This version replaces all previous versions.

	141)
	The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
Filter type	: Combined particulates and organic vapour type (A-P)
Protective measures	: The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: clear to slightly turbid, liquid
Colour	: yellow to light brown
Odour	: aromatic
Odour Threshold	: No data available
pH	: 6
Melting point/range	: No data available
Boiling point/boiling range	: No data available
Flash point	: > 38 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Density	: 0.92 g/cm ³
Solubility(ies)	

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8, 2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

Solubility in other solvents : Miscible
Solvent: Water

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity
Viscosity, dynamic : No data available

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

9.2 Other information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

None reasonably foreseeable.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : No decomposition if used as directed.

10.5 Incompatible materials

Materials to avoid : None known.

10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of exposure : Ingestion
Inhalation
Skin contact
Eye contact

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version
8.2

Revision Date:
09.06.2020

SDS Number:
S00000000433

This version replaces all previous versions.

Acute toxicity

Product:

- Acute oral toxicity : Acute toxicity estimate: > 1,029.38 mg/kg;
Method: Calculation method
- Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method
- Acute dermal toxicity : LD₅₀ rat > 4800 mg/kg
- Skin Irritation : irritant (estimate)
Method: Calculation method
- Eye irritation : severe eye irritant, Cat 1 (estimate)
Method: Calculation method
- Skin sensitization : Not classified (estimate)
Method: Calculation method

Components:

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

- Acute oral toxicity : LD50 (Rat): 3,952 mg/kg
Assessment: The substance or mixture has no acute oral toxicity
- Acute inhalation toxicity : LC50 (Rat): > 6.193 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Highest attainable concentration
- Acute dermal toxicity : LD50 (Rabbit): > 3,160 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

cypermethrin cis/trans +/- 40/60:

- Acute oral toxicity : LD50 (Rat, female): 661 mg/kg
Acute toxicity estimate: 500 mg/kg
Method: Converted acute toxicity point estimate
- Acute inhalation toxicity : LC50 (Rat, male and female): 1.26 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
- Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

2-methylpropan-1-ol:

- Acute oral toxicity : LD50 (Rat): 2,830 - 3,350 mg/kg

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8.2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

Skin corrosion/irritation

Components:

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

Species : Rabbit
Result : No skin irritation

cypermethrin cis/trans +/- 40/60:

Species : Rabbit
Result : No skin irritation
Remarks : May cause temporary itching, tingling, burning or numbness of exposed skin, called paresthesia.

calcium dodecylbenzenesulphonate:

Result : Irritating to skin.

2-[2-(4-nonylphenoxy)ethoxy]ethanol:

Species : Rabbit
Result : Irritating to skin.

2-methylpropan-1-ol:

Result : Irritating to skin.

Serious eye damage/eye irritation

Components:

cypermethrin cis/trans +/- 40/60:

Species : Rabbit
Result : No eye irritation

Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy-:

Species : Rabbit
Result : Risk of serious damage to eyes.

calcium dodecylbenzenesulphonate:

Result : Irreversible effects on the eye

2-[2-(4-nonylphenoxy)ethoxy]ethanol:

Species : Rabbit
Result : Irritation to eyes, reversing within 21 days

2-methylpropan-1-ol:

Result : Risk of serious damage to eyes.

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8.2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

Respiratory or skin sensitisation

Components:

cypermethrin cis/trans +/- 40/60:

Test Type : mouse lymphoma cells
Species : Mouse
Result : Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Components:

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

Germ cell mutagenicity-
Assessment : Weight of evidence does not support classification as a germ cell mutagen., Classified based on benzene content < 0.1% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note P)

cypermethrin cis/trans +/- 40/60:

Germ cell mutagenicity-
Assessment : Animal testing did not show any mutagenic effects.

Carcinogenicity

Components:

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

Carcinogenicity -
Assessment : Weight of evidence does not support classification as a carcinogen, Classified based on benzene content < 0.1% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note P)

cypermethrin cis/trans +/- 40/60:

Carcinogenicity -
Assessment : No evidence of carcinogenicity in animal studies.

Reproductive toxicity

Components:

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

Reproductive toxicity -
Assessment : Weight of evidence does not support classification for reproductive toxicity

cypermethrin cis/trans +/- 40/60:

Reproductive toxicity -
Assessment : No toxicity to reproduction

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8.2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

STOT - single exposure

Components:

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

cypermethrin cis/trans +/- 40/60:

Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

2-methylpropan-1-ol:

Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

STOT - repeated exposure

Components:

cypermethrin cis/trans +/- 40/60:

Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Aspiration toxicity

Components:

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 9.2 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 3.2 mg/l
Exposure time: 48 h

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8. 2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

Toxicity to algae : EL50 (Pseudokirchneriella subcapitata (green algae)): 2.6 - 2.9 mg/l
Exposure time: 72 h
Test Type: Growth inhibition

NOELR (Pseudokirchneriella subcapitata (green algae)): 1 mg/l
Exposure time: 72 h

Toxicity to fish (Chronic toxicity) : NOELR: 1.23 mg/l
Exposure time: 28 d
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOELR: 2.14 mg/l
Exposure time: 28 d
Species: Daphnia magna (Water flea)

Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

cypermethrin cis/trans +/- 40/60:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.0029 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.00021 mg/l
Exposure time: 48 h

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): > 1.3 mg/l
Exposure time: 96 h

NOEC (Pseudokirchneriella subcapitata (green algae)): > 1.3 mg/l
Exposure time: 96 h

M-Factor (Acute aquatic toxicity) : 1,000

Toxicity to fish (Chronic toxicity) : NOEC: 0.000077 mg/l
Exposure time: 300 d
Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.000009 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic toxicity) : 1,000

Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy-:

Toxicity to fish : LC0 (Poecilia reticulata (guppy)): 10 mg/l
Exposure time: 24 h

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8.2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

calcium dodecylbenzenesulphonate:

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

2-[2-(4-nonylphenoxy)ethoxy]ethanol:

Ecotoxicology Assessment

Acute aquatic toxicity : Harmful to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

2-methylpropan-1-ol:

Toxicity to daphnia and other aquatic invertebrates : NOEC : 20 mg/l
Exposure time: 21 d
Test Type: semi-static test

12.2 Persistence and degradability

Components:

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

Biodegradability : Result: Readily biodegradable.

cypermethrin cis/trans +/- 40/60:

Biodegradability : Result: No information available.

2-[2-(4-nonylphenoxy)ethoxy]ethanol:

Biodegradability : Result: Not readily biodegradable.

12.3 Bioaccumulative potential

Components:

cypermethrin cis/trans +/- 40/60:

Bioaccumulation : Remarks: High bioaccumulation potential.

Partition coefficient: n-octanol/water : log Pow: 6.5

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8.2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

12.4 Mobility in soil

Components:

cypermethrin cis/trans +/- 40/60:

Distribution among environmental compartments : Remarks: immobile

Stability in soil : Dissipation time: < 21 d
Percentage dissipation: 50 % (DT50)
Remarks: Product is not persistent.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

Components:

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB)..

cypermethrin cis/trans +/- 40/60:

Assessment : No data available.

2-methylpropan-1-ol:

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB)..

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not contaminate ponds, waterways or ditches with chemical or used container.
Do not dispose of waste into sewer.
Where possible recycling is preferred to disposal or incineration.
If recycling is not practicable, dispose of in compliance with

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8.2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

Contaminated packaging : local regulations.
: Empty remaining contents.
: Triple rinse containers.
: Empty containers should be taken to an approved waste handling site for recycling or disposal.
: Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

ADN : UN 1993
ADR : UN 1993
RID : UN 1993
IMDG : UN 1993
IATA : UN 1993

14.2 UN proper shipping name

ADN : FLAMMABLE LIQUID, N.O.S.
(SOLVENT NAPHTHA AND ISOBUTANDL)
ADR : FLAMMABLE LIQUID, N.O.S.
(SOLVENT NAPHTHA AND ISOBUTANOL)
RID : FLAMMABLE LIQUID, N.O.S.
(SOLVENT NAPHTHA AND ISOBUTANOL)
IMDG : FLAMMABLE LIQUID, N.O.S.
(SOLVENT NAPHTHA AND ISOBUTANOL)
IATA : Flammable liquid, n.o.s.
(SOLVENT NAPHTHA AND ISOBUTANOL)

14.3 Transport hazard class(es)

ADN : 3
ADR : 3
RID : 3
IMDG : 3
IATA : 3

14.4 Packing group

ADN :
Packing group : III
Classification Code : F1
Hazard Identification Number : 30
Labels : 3
ADR

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8. 2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

Packing group : III
Classification Code : F1
Hazard Identification Number : 33
Labels : 3
Tunnel restriction code : (D/E)

RID

Packing group : III
Classification Code : F1
Hazard Identification Number : 30
Labels : 3

IMDG

Packing group : III
Labels : 3
EmS Code : F-E, S-E

IATA (Cargo)

Packing instruction (cargo aircraft) : 366
Packing instruction (LQ) : Y344
Packing group : III
Labels : Flammable Liquid

IATA (Passenger)

Packing instruction (passenger aircraft) : 355
Packing instruction (LQ) : Y344
Packing group : III
Labels : Flammable Liquid

14.5 Environmental hazards

ADN

Environmentally hazardous : yes

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8. 2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy-
- REACH - List of substances subject to authorisation (Annex XIV) : Not applicable
- Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable
- Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable
- Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy-
- REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:
(3)
Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy- (46b, 46a.)
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified (29, 28)

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
P5c	FLAMMABLE LIQUIDS	5,000 t	50,000 t
E1	ENVIRONMENTAL HAZARDS	100 t	200 t
34	Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in	2,500 t	25,000 t

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version 8.2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

points (a) to (d)

Other regulations:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Article 13 Maternity ordinance (SR 822.111.52): Expectant and nursing mothers are only permitted to come into contact with this product during the course of their work if, based on a risk assessment carried out in accordance with Article 63 of Ordinance 1 on the Employment Act (ArGV 1) (SR 822.111), the chemicals in question have been found not to cause any specific harm to mothers or children or if such harm can be ruled out by taking appropriate protective measures.

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

SECTION 16: Other information

Full text of H-Statements

H226	: Flammable liquid and vapour.
H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H315	: Causes skin irritation.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H332	: Harmful if inhaled.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H373	: May cause damage to organs through prolonged or repeated exposure.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H411	: Toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Acute aquatic toxicity
Aquatic Chronic	: Chronic aquatic toxicity
Asp. Tox.	: Aspiration hazard
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Skin Irrit.	: Skin irritation
STOT RE	: Specific target organ toxicity - repeated exposure
STOT SE	: Specific target organ toxicity - single exposure
CH SUVA	: Switzerland. Limit values at the work place

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

syngenta.

CYMFLEX 5 EC

Version 8. 2 Revision Date: 09.06.2020 SDS Number: S00000000433 This version replaces all previous versions.

CH SUVA / TWA : Time Weighted Average
CH SUVA / STEL : Short Term Exposure Limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECl - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Flam. Liq. 3	H226
Eye Dam. 1	H318
STOT SE 3	H336
STOT SE 3	H335
Asp. Tox. 1	H304
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Classification procedure:

Based on product data or assessment
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



CYMFLEX 5 EC

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
8.2	09.06.2020	S00000000433	

specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

CH / EN

ANNEX G
GENERAL CONDITION OF
THE CONTRACT

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

The General Conditions of Contract (GCC) in this Section, read in conjunction with the Special Conditions of Contract in Section V and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

Matters governing performance of the Supplier, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are included in the GCC and Special Conditions of Contract.

Any complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract.

1. **Scope of Contract**

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

2. **Advance Payment and Terms of Payment**

- 2.1. Advance payment of the contract amount is provided under Annex "D" of the revised 2016 IRR of RA No. 9184.
- 2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. **Performance Security**

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184

4. **Inspection and Tests**

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

5. Warranty

- 6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

ANNEX H
SPECIAL CONDITION OF
THE CONTRACT

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

Similar to the BDS, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC found in Section IV.

The Special Conditions of Contract (SCC) complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Goods purchased. In preparing this Section, the following aspects should be checked:

- a. Information that complements provisions of the GCC must be incorporated.
- b. Amendments and/or supplements to provisions of the GCC as necessitated by the circumstances of the specific purchase, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of the GCC should be incorporated herein.

Special Conditions of Contract

GCC Clause	
1	<p><i>[List here any additional requirements for the completion of this Contract. The following requirements and the corresponding provisions may be deleted, amended, or retained depending on its applicability to this Contract:]</i></p> <p>Delivery and Documents –</p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p><i>[For Goods supplied from abroad, state:]</i> “The delivery terms applicable to the Contract are DDP delivered <i>[indicate place of destination]</i>. In accordance with INCOTERMS.”</p> <p><i>[For Goods supplied from within the Philippines, state:]</i> “The delivery terms applicable to this Contract are delivered <i>[indicate place of destination]</i>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is <i>[indicate name(s)]</i>.</p> <p>Incidental Services –</p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <p><i>Select appropriate requirements and delete the rest.</i></p> <ol style="list-style-type: none"> a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;

- d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- e. training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

Spare Parts –

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

Select appropriate requirements and delete the rest.

- a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and
- b. in the event of termination of production of the spare parts:
 - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
 - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

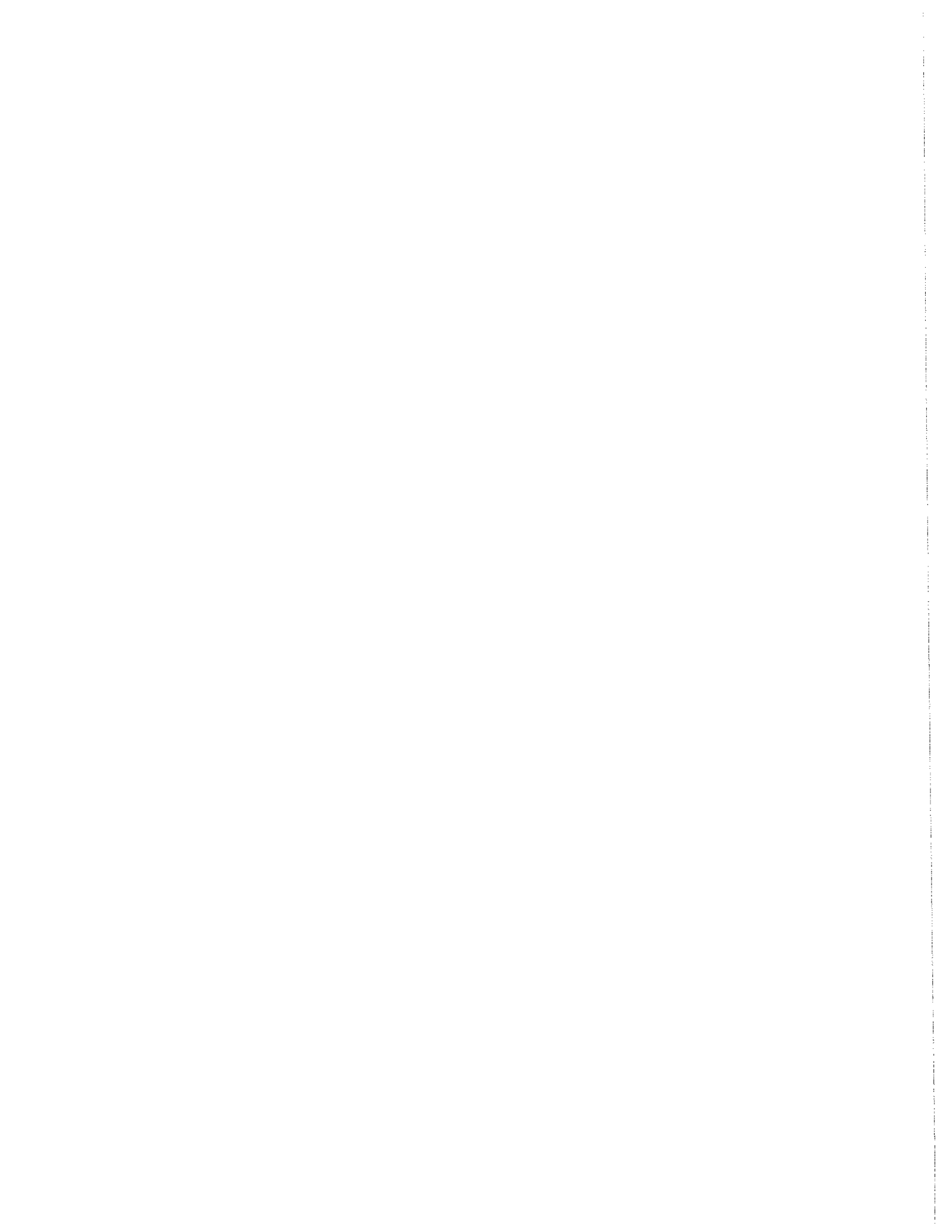
The spare parts and other components required are listed in **Section VI (Schedule of Requirements)** and the cost thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of [*indicate here the time period specified. If not used indicate a time period of three times the warranty period*].

Spare parts or components shall be supplied as promptly as possible, but in any case, within [*insert appropriate time period*] months of placing the order.

	<p>Packaging –</p> <p>The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods’ final destination and the absence of heavy handling facilities at all points in transit.</p> <p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications</p>
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p>Transportation –</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>

	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p>Intellectual Property Rights –</p> <p>The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p>
2.2	<p>The terms of payment shall be as follows:</p> <ul style="list-style-type: none"> a) The Contractor shall submit monthly billings on the first week of the following month, based on consumption of supplies and services rendered. b) Payments shall be made thirty (30) calendar days upon receipt of the monthly invoice with complete requirements through List of Due and Demandable Accounts Payable (LDDAP). c) The payment shall be inclusive of all applicable taxes and other lawful charges.
4	<p>The inspections and tests that will be conducted are: <i>inspection of goods upon deliver as specified in the Terms of Reference.</i></p>



ANNEX I
PERFORMANCE SECURITY
CERTIFICATE



REPUBLIC OF THE PHILIPPINES
Unified Multi-Purpose ID



CRII-0003-9717266-3



LAST NAME
ESCOBER
FIRST NAME
ANNA MARIE

MIDDLE NAME
MENBOZA
SEX **F** DATE OF BIRTH **1970/05/05**
ADDRESS
**5402 R. FERNANDEZ ST
GAGALANGIN, TONDO, MANILA
NCR, PHIL 1013**

Anna Marie Escobar



REPUBLIC OF THE PHILIPPINES
Unified Multi-Purpose ID



CRN-0003-7717266-3



SURNAME
ESCOBER
FIRST NAME
ANNA MARIE

MIDDLE NAME
MENDOZA
DATE OF BIRTH **1970/05/05**
ADDRESS
**R. FERNANDEZ ST
GAGALANGIN TONDO MANILA
NCR PHL 1013**

Handwritten signature
Handwritten signature
Handwritten signature