

#### Issue Date: 21-Nov-2018

Version 1

# **1. IDENTIFICATION**

| <u>Product identifier</u><br>Product Name  | Pyrinex 480 EC  |
|--|---|
| Other means of identification<br>SDS #   | ADAMA-274   |
| Registration Number(s)<br>UN/ID No   | Pest Control Product Reg. No. 23705<br>UN3018   |
| Recommended use of the chemical  | and restrictions on use   |
| Recommended Use  | Pesticide.  |
| Details of the supplier of the safety<br>Manufacturer Address<br>ADAMA Agricultural Solutions Canada<br>300-191 Lombard Avenue<br>Winnipeg, Manitoba R3B 0X1<br>1-855-264-6262 |   |
| Emergency telephone number<br>Emergency Telephone  | For fire, spill and/or leak contact INFOTRAC:<br>1-800-535-5053 (North America) 1-352-323-3500 (International)<br>For medical emergencies and health/safety inquiries, contact ProPharma Group: |

1-877-250-9291

# 2. HAZARDS IDENTIFICATION

This chemical is a product registered by the Canadian Pest Control Products Act and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-PCPA registered chemicals. Please see Section 15 for additional information. This product has been classified according to Canada's Hazardous Product Regulations (WHMIS 2015).

#### Appearance Clear amber liquid

# Physical state Liquid

Odor Characteristic

# **Classification**

| Acute toxicity - Oral                     | Category 3  |
|---|-------------|
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4  |
| Skin corrosion/irritation                 | Category 2  |
| Serious eye damage/eye irritation         | Category 2  |
| Skin sensitization                        | Category 1  |
| Carcinogenicity                           | Category 1B |
| Aspiration toxicity                       | Category 1  |

<u>Signal Word</u> Danger

# Hazard statements

Toxic if swallowed Harmful if inhaled Causes skin irritation Causes serious eye irritation May cause cancer May be fatal if swallowed and enters airways



#### **Precautionary Statements - Prevention**

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Contaminated work clothing must not be allowed out of the workplace

#### **Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF ON SKIN: Wash with plenty of water and soap Take off immediately all contaminated clothing and wash it before reuse If skin irritation or rash occurs: Get medical advice/attention IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting Rinse mouth In case of fire: Use CO2, dry chemical, or foam for extinction

#### Precautionary Statements - Storage

Store locked up Store in a well-ventilated place. Keep cool

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Other hazards

Very toxic to aquatic life with long lasting effects

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name                       | CAS No     | Weight-% |
|-------------------------------------|------------|----------|
| Chlorpyrifos                        | 2921-88-2  | 44.86    |
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | 44.75    |
| Naphthalene                         | 91-20-3    | <0.4     |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

# **4. FIRST AID MEASURES**

#### **Description of first aid measures**

| General Advice                 | When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.   |
|--------------------------------|--|
| Eye Contact                    | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.<br>Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.   |
| Skin Contact                   | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash skin with soap and water. Wash contaminated clothing before reuse. Call a poison center or doctor/physician if you feel unwell.  |
| Inhalation                     | Remove to fresh air. Give oxygen if breathing is difficult. If breathing has stopped, call 911, give artificial respiration. Seek medical advice.  |
| Ingestion                      | Immediately call a poison center or doctor/physician. Never give anything by mouth to an unconscious person. Obtain medical attention. Do not induce vomiting unless directed by medical personnel.  |
| Most important symptoms and    | effects, both acute and delayed  |
| Symptoms                       | May cause nose and throat irritation, with possible central nervous system effects. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Liquid ingestion may result in vomiting; aspiration of liquid into the lungs must be avoided as liquid contact with the lungs can result in chemical pneumonitis and pulmonary edema/hemorrhage.  |
| Indication of any immediate me | edical attention and special treatment needed  |
| Notes to Physician             | Treat symptomatically. This product contains an organophosphate that inhibits cholinesterase. If exposed, plasma and red blood cell cholinesterase test may indicate significance of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration. Contains petroleum distillate. Vomiting may induce aspiration pneumonia. |

# **5. FIRE-FIGHTING MEASURES**

# Suitable Extinguishing Media

Dry chemical. Foam. Carbon dioxide (CO2).

Unsuitable Extinguishing Media Not determined.

#### Specific Hazards Arising from the Chemical

Combustible liquid.

Hazardous combustion products Hydrogen chloride. Nitrogen oxides (NOx).

# Explosion Data

Sensitivity to Static Discharge Take precautionary measures against static discharge.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate area of unprotected personnel. Remain upwind of fire to avoid hazardous vapors and decomposition products. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

# 6. ACCIDENTAL RELEASE MEASURES Personal precautions, protective equipment and emergency procedures **Personal Precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Environmental precautions Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See **Environmental precautions** Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS. Methods and material for containment and cleaning up Methods for Containment Prevent further leakage or spillage if safe to do so. Methods for Clean-Up For small spills, absorb with sand, clay, or other inert absorbent. Place in appropriate containers for disposal. For large spills: recover free product. Dike for later disposal. Absorb with inert material and then place in suitable container for chemical waste. Flush spill area with water, collect rinse water in containers for proper disposal. 7. HANDLING AND STORAGE

#### Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Do not contaminate water, food or feed by storage, disposal or by cleaning equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not eat, drink or smoke when using this product.

#### Conditions for safe storage, including any incompatibilities

Storage ConditionsKeep container tightly closed and store in a cool, dry and well-ventilated place. Keep out of<br/>the reach of children. Store away from incompatible materials. Protect from excessive heat.<br/>Store locked up. Do not store below 20°F (-7°C). Keep/store only in original container. Do<br/>not use food or drink containers for mixing or storage. Storage below 20°F may result in the<br/>formation of crystals. If product crystalizes, store at 50 - 70°F and agitate to re-dissolve<br/>crystals.

Incompatible Materials

Strong alkalis. Amines. Oxidizers.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Guidelines

| Chemical name             | ACGIH TLV  | OSHA PEL   | NIOSH IDLH  |
|---------------------------|--|--|---|
| Chlorpyrifos<br>2921-88-2 | TWA: 0.1 mg/m³ inhalable<br>fraction and vapor<br>S* | (vacated) TWA: 0.2 mg/m <sup>3</sup><br>(vacated) S*   | TWA: 0.2 mg/m <sup>3</sup><br>STEL: 0.6 mg/m <sup>3</sup>   |
| Naphthalene<br>91-20-3    | TWA: 10 ppm<br>S*                                    | TWA: 10 ppm<br>TWA: 50 mg/m <sup>3</sup><br>(vacated) TWA: 10 ppm<br>(vacated) TWA: 50 mg/m <sup>3</sup><br>(vacated) STEL: 15 ppm<br>(vacated) STEL: 75 mg/m <sup>3</sup> | IDLH: 250 ppm<br>TWA: 10 ppm<br>TWA: 50 mg/m <sup>3</sup><br>STEL: 15 ppm<br>STEL: 75 mg/m <sup>3</sup> |

# Appropriate engineering controls

| Engineering Controls   | Use only with adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. |
|--|--|
| Individual protection measures, su   | ch as personal protective equipment  |
| Eye/Face Protection  | Use splash goggles or face shield when contact may occur.  |
| Skin and Body Protection   | Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Viton or other impervious gloves are required. Long sleeve shirt, trousers, and safety shoes.            |
| Respiratory Protection   | Ensure adequate ventilation, especially in confined areas. Wear an appropriate NIOSH/MSHA approved respirator if ventilation is inadequate.  |
| General Hygiene Considerations Wash hands before eating, drinking, smoking and using the toilet. Remove contaminated clothing promptly and wash thoroughly before reused. Discard clothing and other absorb materials that have been drenched or heavily contaminated with this product's concentra Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. |  |

# 9. PHYSICAL AND CHEMICAL PROPERTIES

# Information on basic physical and chemical properties

| Physical state                  | Liquid                |
|---------------------------------|-----------------------|
| Appearance                      | Clear amber liquid    |
| Color                           | Amber                 |
|                                 |                       |
| Property                        | Values                |
| рН                              | 6.2-6.9               |
| Melting point / freezing point  | Not applicable        |
| Boiling point / boiling range   | Not determined        |
| Flash point                     | 70°C / 158°F          |
| Evaporation Rate                | Not determined        |
| Flammability (Solid, Gas)       | Liquid-not applicable |
| Flammability Limit in Air       |                       |
| Upper flammability or explosive | Not determined        |
| limits                          |                       |
| Lower flammability or explosive | Not determined        |
| limits                          |                       |
| Vapor Pressure                  | Not determined        |
| Vapor Density                   | Not determined        |
| Relative Density                | 1.067                 |
| Water Solubility                | Not determined        |
| Solubility in other solvents    | Not determined        |
| Partition Coefficient           | Not determined        |
| Autoignition temperature        | Not available         |
| Decomposition temperature       | Not determined        |
| Kinematic viscosity             | Not determined        |
| Dynamic Viscosity               | Not determined        |
| Explosive Properties            | Not determined        |
| Oxidizing Properties            | Not determined        |
|                                 |                       |

Odor Odor Threshold Characteristic Not determined

# Remarks • Method

# **10. STABILITY AND REACTIVITY**

#### Reactivity

Not reactive under normal conditions.

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

None under normal processing.

#### Hazardous Polymerization Not known to occur.

#### Conditions to Avoid

Elevated temperatures. Avoid heating above 60°C (100°F). Chlorpyrifos undergoes exothermic decomposition at approximately 130°C (266°F), which can lead to higher temperatures and violent decomposition if generated heat is not removed. Contains petroleum derivative solvent-will burn.

#### Incompatible materials

Strong alkalis. Amines. Oxidizers.

#### Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO2). Hydrogen chloride. Oxides of sulfur.

# **11. TOXICOLOGICAL INFORMATION**

#### Information on likely routes of exposure

| Eye Contact  | Avoid contact with eyes.         |
|--------------|----------------------------------|
| Skin Contact | Avoid contact with skin.         |
| Inhalation   | Avoid breathing vapors or mists. |
| Ingestion    | Toxic if swallowed.              |

#### **Component Information**

| Chemical name              | Oral LD50                        | Dermal LD50                      | Inhalation LC50      |
|----------------------------|----------------------------------|----------------------------------|----------------------|
| Chlorpyrifos               | = 135 mg/kg (Rat) = 82 mg/kg (   | > 5000 mg/kg (Rabbit)= 202       | > 200 mg/m³ (Rat)4 h |
| 2921-88-2                  | Rat )                            | mg/kg (Rat)= 2 g/kg (Rabbit)     |                      |
| Naphtha (petroleum), heavy | > 5000 mg/kg (Rat)               | > 2 mL/kg (Rabbit)               | > 590 mg/m³ (Rat)4 h |
| aromatic                   |                                  |                                  |                      |
| 64742-94-5                 |                                  |                                  |                      |
| Naphthalene                | = 1110 mg/kg (Rat) = 490 mg/kg ( | = 1120 mg/kg (Rabbit)> 20 g/kg ( | > 340 mg/m³ (Rat)1 h |
| 91-20-3                    | Rat )                            | Rabbit)                          |                      |

#### Symptoms related to the physical, chemical and toxicological characteristics

#### Symptoms

Please see section 4 of this SDS for symptoms.

# Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

| Chemical name             | ACGIH | IARC     | NTP                    | OSHA |
|---------------------------|-------|----------|------------------------|------|
| Chlorpyrifos<br>2921-88-2 |       | Group 2A |                        | Х    |
| Naphthalene<br>91-20-3    | A3    | Group 2B | Reasonably Anticipated | Х    |

<u>LEGEND</u> IARC (International Agency for Research on Cancer) Group 2A - Probably Carcinogenic to Humans OSHA (Occupational Safety and Health Administration of the US Department of Labor) X - Present

Aspiration hazard

May be fatal if swallowed and enters airways.

#### Numerical measures of toxicity

Acute Oral LD50 (Rat): 409 mg/kg Acute Dermal LD50 (Rabbit): >2,000 mg/kg Acute Inhalation LC50 (Rat): 2.62 mg/kg Eye Irritation: Severely irritating Dermal Irritation: Severely irritating Dermal Sensitization: a skin sensitizer

# **12. ECOLOGICAL INFORMATION**

#### Ecotoxicity

Very toxic to aquatic life with long lasting effects. This pesticide is toxic to fish, aquatic invertebrates, small mammals, and birds. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwater or rinsate. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

#### **Component Information**

| Chemical name              | Algae/aquatic plants           | Fish                                 | Crustacea                        |
|----------------------------|--------------------------------|--------------------------------------|----------------------------------|
| Chlorpyrifos               |                                | 0.002 - 0.032: 96 h Oncorhynchus     | 0.00012 - 0.00023: 48 h Daphnia  |
| 2921-88-2                  |                                | mykiss mg/L LC50 flow-through        | magna mg/L EC50 Static 0.00009 - |
|                            |                                | 0.011: 96 h Oncorhynchus mykiss      | 0.00012: 48 h Daphnia magna mg/L |
|                            |                                | mg/L LC50 0.11 - 0.13: 96 h          | EC50 Flow through                |
|                            |                                | Pimephales promelas mg/L LC50        |                                  |
|                            |                                | flow-through 0.00717: 96 h Poecilia  |                                  |
|                            |                                | reticulata mg/L LC50 0.00717: 96 h   |                                  |
|                            |                                | Poecilia reticulata mg/L LC50 semi-  |                                  |
|                            |                                | static 0.001: 96 h Oncorhynchus      |                                  |
|                            |                                | mykiss mg/L LC50 static 0.0026: 96   |                                  |
|                            |                                | h Lepomis macrochirus mg/L LC50      |                                  |
|                            |                                | 0.008: 96 h Cyprinus carpio mg/L     |                                  |
|                            |                                | LC50 static 0.0047 - 0.0075: 96 h    |                                  |
|                            |                                | Lepomis macrochirus mg/L LC50        |                                  |
|                            |                                | flow-through 0.0013: 96 h Lepomis    |                                  |
|                            |                                | macrochirus mg/L LC50 static         |                                  |
| Naphtha (petroleum), heavy | 2.5: 72 h Skeletonema costatum | 1740: 96 h Lepomis macrochirus       | 0.95: 48 h Daphnia magna mg/L    |
| aromatic                   | mg/L EC50                      | mg/L LC50 static 41: 96 h            | EC50                             |
| 64742-94-5                 |                                | Pimephales promelas mg/L LC50        |                                  |
|                            |                                | 2.34: 96 h Oncorhynchus mykiss       |                                  |
|                            |                                | mg/L LC50 19: 96 h Pimephales        |                                  |
|                            |                                | promelas mg/L LC50 static 45: 96 h   |                                  |
|                            |                                | Pimephales promelas mg/L LC50        |                                  |
|                            |                                | flow-through                         |                                  |
| Naphthalene                | 0.4: 72 h Skeletonema costatum | 1.99: 96 h Pimephales promelas       | 1.09 - 3.4: 48 h Daphnia magna   |
| 91-20-3                    | mg/L EC50                      | mg/L LC50 static 31.0265: 96 h       | mg/L EC50 Static 1.96: 48 h      |
|                            |                                | Lepomis macrochirus mg/L LC50        | Daphnia magna mg/L EC50 Flow     |
|                            |                                | static 1.6: 96 h Oncorhynchus        | through 2.16: 48 h Daphnia magna |
|                            |                                | mykiss mg/L LC50 flow-through        | mg/L LC50                        |
|                            |                                | 0.91 - 2.82: 96 h Oncorhynchus       |                                  |
|                            |                                | mykiss mg/L LC50 static 5.74 - 6.44: |                                  |
|                            |                                | 96 h Pimephales promelas mg/L        |                                  |
|                            |                                | LC50 flow-through                    |                                  |

#### Persistence/Degradability

Not determined.

#### **Bioaccumulation**

There is no data for this product.

# <u>Mobility</u>

| Chemical name                       | Partition coefficient |
|-------------------------------------|-----------------------|
| Chlorpyrifos                        | 4.96                  |
| 2921-88-2                           |                       |
| Naphtha (petroleum), heavy aromatic | 2.9 - 6.1             |
| 64742-94-5                          |                       |
| Naphthalene                         | 3.6                   |
| 91-20-3                             |                       |

# Other Adverse Effects Not determined

| Waste Treatment Methods   Disposal of Wastes END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS PER THE LABEL<br>RECOMMENDATIONS. Pesticide wastes are acutely hazardous. Improper disposal of<br>excess pesticide, spray mixture, or rinse is a violation of Federal Law. If these wastes<br>cannot be disposed of by use according to label instructions, contact your State Pesticide or<br>Environmental Control Agency or Hazardous Waste representative at the nearest EPA<br>regional office. Never place any unused product down an indoor or outdoor drain. Do not<br>contaminate water, food or feed by disposal.   Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and<br>regulations.   DT UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   Hazard class 6.1   Packing Group III   WN number UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   fraapport hazard class(es) 6.1   Packing Group III   Marine Pollutant Yes   IMDG UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos 42.5%)   Fransport hazard class(es) 6.1   Packing Group III   Marine Pollutant Yes   UN101No UN3018                                     |  | 13. DISPOSAL CONSIDERATIONS  |
|---|--|--|
| RECOMMENDATIONS. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Wast representative at the nearest EPA regional office. Never place any unused representative at the nearest EPA regional office. Never place any unused product down an indoor or outdoor drain. Do not contaminate water, food or feed by disposal.   Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.   DOT UNID No UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   Hazard class 6.1   Packing Group III   Reportable Quantity (RQ) 1 lb   Marine Pollutant Yes   IM number UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   Transport hazard class(es) 6.1   Packing Group III   MDG UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos 42.5%)   Transport hazard class(es) 6.1   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos 42.5%)   Transport hazard class | Waste Treatment Methods  |  |
| regulations.   14. TRANSPORT INFORMATION   DOT   UNID No UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   Hazard class 6.1   Packing Group III   Reportable Quantity (RQ) 1 lb   IATA UN number UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   Transport hazard class(es) 6.1   Packing Group III   Marine Pollutant Yes   IMDG UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos 42.5%)   6.1 Packing Group III   Marine Pollutant Yes   TDG UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos 42.5%)   TDG UNID No UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   Hazard class 6.1  | Disposal of Wastes   | RECOMMENDATIONS. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office. Never place any unused product down an indoor or outdoor drain. Do not |
| DOT UN/ID No UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   Hazard class 6.1   Packing Group III   Reportable Quantity (RQ) 1 lb   IATA UN number UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   Transport hazard class(es) 6.1   Packing Group III   Marine Pollutant Yes   IMDG UN number UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos 42.5%)   Transport hazard class(es) 6.1   Packing Group III   Marine Pollutant Yes   TDG UN/ID No UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos 42.5%)   TDG UN/ID No UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   Hazard class 6.1   | Contaminated Packaging   |  |
| UN/ID No UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   Hazard class 6.1   Packing Group III   Reportable Quantity (RQ) 1 lb   IATA UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   Transport hazard class(es) 6.1   Packing Group III   Marine Pollutant Yes   IMDG UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   Transport hazard class(es) 6.1   Packing Group III   Marine Pollutant Yes   IMDG UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos 42.5%)   Transport hazard class(es) 6.1   Packing Group III   Marine Pollutant Yes   TDG UN/ID No UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   Hazard class 6.1   |  | 14. TRANSPORT INFORMATION  |
| UN numberUN3018Proper Shipping NameOrganophosphorus pesticide, liquid, toxic (chlorpyrifos)Transport hazard class(es)6.1Packing GroupIIIMarine PollutantYesIMDGUN3018Proper Shipping NameOrganophosphorus pesticide, liquid, toxic (chlorpyrifos 42.5%)Transport hazard class(es)6.1Packing GroupIIIMarine PollutantYesIMDGUN3018Proper Shipping NameOrganophosphorus pesticide, liquid, toxic (chlorpyrifos 42.5%)Transport hazard class(es)6.1Packing GroupIIIMarine PollutantYesTDGUN3018Proper Shipping NameOrganophosphorus pesticide, liquid, toxic (chlorpyrifos)Hazard class6.1   | UN/ID No<br>Proper Shipping Name<br>Hazard class<br>Packing Group                | Organophosphorus pesticide, liquid, toxic (chlorpyrifos)<br>6.1<br>III   |
| UN number UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos 42.5%)   Transport hazard class(es) 6.1   Packing Group III   Marine Pollutant Yes   TDG UN3018   Proper Shipping Name Organophosphorus pesticide, liquid, toxic (chlorpyrifos)   Hazard class 6.1  | UN number<br>Proper Shipping Name<br>Transport hazard class(es)<br>Packing Group | Organophosphorus pesticide, liquid, toxic (chlorpyrifos)<br>6.1<br>III   |
| UN/ID NoUN3018Proper Shipping NameOrganophosphorus pesticide, liquid, toxic (chlorpyrifos)Hazard class6.1   | UN number<br>Proper Shipping Name<br>Transport hazard class(es)<br>Packing Group | Organophosphorus pesticide, liquid, toxic (chlorpyrifos 42.5%)<br>6.1<br>III   |
| Marine Pollutant   Yes     15. REGULATORY INFORMATION   | UN/ID No<br>Proper Shipping Name<br>Hazard class<br>Packing Group                | Organophosphorus pesticide, liquid, toxic (chlorpyrifos)<br>6.1<br>III<br>Yes  |

#### International Inventories

| Chemical name                       | TSCA | DSL/NDSL | EINECS/E<br>LINCS | ENCS | IECSC | KECL | PICCS | AICS |
|-------------------------------------|------|----------|-------------------|------|-------|------|-------|------|
| Chlorpyrifos                        | Х    | Х        | Х                 | Х    | Х     | Х    | Х     | Х    |
| Naphtha (petroleum), heavy aromatic | Х    | X        | Х                 |      | Х     | Х    | Х     | Х    |
| Naphthalene                         | Х    | Х        | Х                 | Х    | Х     | Х    | Х     | Х    |

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

#### US Federal Regulations

CERCLA Not applicable

...

SARA 313 Not applicable

# CWA (Clean Water Act)

Not applicable

#### US State Regulations

# U.S. State Right-to-Know Regulations

Not applicable

#### Pesticide Registration Number Pest Control Product Reg. No. 23705

#### Product Statement

This chemical is a product registered by the Canadian Pest Control Products Act and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-PCPA registered chemicals. Read the approved label, authorized under the Pest Control Products Act, prior to using or handling the pest control product. Following is the hazard information as required on the pesticide label:

#### Pesticide Label

Danger Poison Eye and Skin Irritant Potential Skin Sensitizer

#### Difference between SDS and pesticide label

|--|

| Signal Word                       | Danger                    | Danger                        |
|-----------------------------------|---------------------------|-------------------------------|
| Acute toxicity - Oral             | N/A                       | Toxic if swallowed            |
| Acute toxicity - Inhalation       |                           |                               |
| (Dusts/Mists)                     | N/A                       | Harmful if inhaled            |
| Skin corrosion/irritation         | Skin irritant             | Causes skin irritation        |
| Serious eye damage/eye irritation | Eye irritant              | Causes serious eye irritation |
| Skin sensitization                |                           | May cause an allergic skin    |
|                                   | Potential skin sensitizer | reaction                      |
| Carcinogenicity                   | N/A                       | Suspected of causing cancer   |
| Aspiration toxicity               |                           | May be fatal if swallowed and |
|                                   | N/A                       | enters airways                |

# 16. OTHER INFORMATION

| NFPA                  | <b>Health Hazards</b><br>2 | <b>Flammability</b><br>2 | <b>Instability</b><br>1 | Special Hazards<br>Not determined |  |
|-----------------------|----------------------------|--------------------------|-------------------------|-----------------------------------|--|
| HMIS_                 | Health Hazards             | Flammability             | Physical hazards        | Personal Protection               |  |
|                       | Not determined             | Not determined           | Not determined          | Not determined                    |  |
| Issue Date:           | 21-Nov-2018                |                          |                         |                                   |  |
| Revision Date:        | 27-Nov-2018                |                          |                         |                                   |  |
| <b>Revision Note:</b> | New for                    | mat                      |                         |                                   |  |
|                       |                            |                          |                         |                                   |  |

#### **Disclaimer**

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#### End of Safety Data Sheet