

# Distance® Insect Growth Regulator



## Safety Data Sheet (GHS)

### 1. IDENTIFICATION

#### Product identifier

**PRODUCT NAME:** Distance® Insect Growth Regulator

**PCPA REGISTRATION NUMBER:** 28414

**VC NUMBER(S):** 1035

**Synonyms** None

**PRODUCT DESCRIPTION:** Insect Growth Regulator

*DISTANCE®* is a registered trademark of Valent U.S.A. LLC

#### Recommended use of the chemical and restrictions on use

**Recommended Use** No information available

**Restrictions on use** No information available

#### Details of the supplier of the safety data sheet

#### MANUFACTURER/DISTRIBUTOR

VALENT CANADA, INC.  
Unit 201 230 Hanlon Creek Blvd.  
Guelph, Ontario N1C 0A1  
(519) 767-9262  
www.valent.ca

#### EMERGENCY TELEPHONE NUMBERS

HEALTH EMERGENCY OR SPILL (24 hr):  
(800) 682-5368  
TRANSPORTATION (24 hr.): CHEMTREC  
(800) 424-9300 or (202) 483-7616

**24 Hour Emergency Phone Number:** 800-682-5368

**Restrictions on emergency number** None

### 2. HAZARDS IDENTIFICATION

**Classification:** Per WHMIS 2015

This product has been classified under the Guidelines of 2015 Health Canada requirements and the implementation of the GHS (Revision 5) under HPR and the HPA.

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Carcinogenicity	Category 2 (naphthalene)
Specific target organ toxicity - repeated exposure	Category 2 (Nervous System)
Flammable liquids	Category 4

#### Label elements

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**REVISION DATE:** 08/14/2019

**Warning****Hazard statements**

Harmful if inhaled  
Causes skin irritation  
Causes eye irritation  
Harmful if swallowed  
Harmful in contact with skin  
Suspected of causing cancer  
Combustible Liquid

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Eyes**

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

**Skin**

IF ON SKIN: Gently wash with plenty of soap and water  
Take off contaminated clothing and wash before reuse

**Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing  
Call a POISON CENTRE or doctor/physician if you feel unwell

**Fire**

In case of fire: use water fog, carbon dioxide, foam, or dry chemical for extinguishing.

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**OTHER INFORMATION**

Very toxic to aquatic life with long lasting effects.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance****Synonyms** None.

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Pyriproxyfen	95737-68-1	11.23	-	-
Total hydrocarbons	64742-94-5	40 - 50	-	-
Naphthalene	91-20-3	1 - 6	-	-

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**General advice** Have the product container or label with you when calling a poison control centre or doctor, or going for treatment. You may also contact 1-800-682-5368 for emergency medical treatment information.

**Inhalation** Move the person to fresh air. If the person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**Eye contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, and after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**Skin contact** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**Ingestion** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless told to do so by the poison control centre or doctor. Do not give anything to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid, which can cause pneumonitis. If ingested, probable mucosal damage may contraindicate the use of gastric lavage.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media** Water fog, carbon dioxide, foam, dry chemical.

**Large Fire** Do NOT use water jet or straight streams.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the** Liquid evaporates and forms vapour (fumes) which can catch fire and burn with explosive

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<b>chemical</b>	<p>violence. Invisible vapour spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 85 °F.</p> <p>Products of combustion from fires involving this material may be toxic. Avoid breathing smoke and mists. Avoid personnel and equipment contact with fallout and runoff. Minimize the amount of water used for firefighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Contain and isolate runoff and debris for proper disposal. Decontaminate personal protective equipment and firefighting equipment before reuse.</p>
<b>Hazardous combustion products:</b>	During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	None.
<b>Sensitivity to static discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Avoid contact with skin, eyes and inhalation of vapours. Ensure adequate ventilation. Remove all sources of ignition. Stop leak if you can do it without risk. Use personal protective equipment as required.
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### Methods and material for containment and cleaning up

<b>Methods for containment</b>	<p>On Land: Avoid runoff into storm sewers and ditches which lead to waterways, or other bodies of water. Contain spilled liquids with dry sorbents.</p> <p>On Water: This material forms an emulsion with water. Stop or reduce contamination of any water. Isolate contaminated water.</p>
<b>Methods for cleaning up</b>	<p>For Clean Up of Spills on Land: Clean up spill immediately. Vacuum or sweep up material and place in a chemical waste container. Wash area with soap and water. Pick up wash liquid with additional absorbent and place in a chemical waste container.</p> <p>For Clean Up of Spills on Water: Clean up immediately. Absorb spill with inert material. Remove contaminated water for treatment or disposal.</p>

## 7. HANDLING AND STORAGE

### Precautions for safe handling

<b>Advice on safe handling</b>	<p>DO NOT USE OR STORE near flame, sparks or hot surfaces. Use only in well ventilated area. Keep container closed.</p> <p>DO NOT weld, heat or drill container. Replace cap or bung. Emptied container still contains hazardous or explosive vapor or liquid.</p>
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### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep pesticide in original container. Do not store or transport near food or feed. Do not contaminate food or feed. Do not put concentrate into food or drink containers. Do not dilute
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concentrate in food or drink containers. Store in a cool, dry place, out of direct sunlight.

Do not store at temperatures below 32 °F (0 °C). If the product is exposed to temperatures below 32 °F (0 °C), thaw at room temperature to 50 °F (10 °C) or warmer and shake gently to unify the product.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	Alberta	British Columbia	Ontario	Quebec
Naphthalene	TWA: 10 ppm TWA: 52 mg/m <sup>3</sup> STEL: 15 ppm STEL: 79 mg/m <sup>3</sup> Skin	TWA: 10 ppm STEL: 15 ppm Skin	TWA: 10 ppm Skin	TWA: 10 ppm TWA: 52 mg/m <sup>3</sup> STEL: 15 ppm STEL: 79 mg/m <sup>3</sup>

### Appropriate engineering controls

#### Engineering controls

Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Do not get this material in your eyes. Eye contact can be avoided by wearing protective eyewear.

#### Skin and body protection

Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including long pants, long-sleeved shirt and shoes plus socks and chemical-resistant gloves. Remove contaminated clothing.

#### Respiratory protection

Use this material only in well-ventilated areas. If operating conditions result in airborne concentrations of this material, the use of an approved respirator is recommended.

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear
Colour	Pale yellow
Odour	Mild aromatic
Odor threshold:	No information available

### PROPERTIES

<u>PROPERTIES</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	5.7	10% v/v
Melting point/freezing point	No Data Available	None known
Boiling point/boiling range	No data available	None known
Flash point	66.7 °C / 152 °F	None known
Evaporation rate	No Data Available	None known

<b>Flammability (solid, gas)</b>	No Data Available	None known
<b>Flammability Limits in Air</b>		None known
<b>Upper flammability limits</b>	No Data Available	
<b>Lower Flammability Limit:</b>	No Data Available	
<b>Vapour pressure</b>	No Data Available	None known
<b>Vapour density</b>	No Data Available	None known
<b>Relative density</b>	0.92	@ 20 °C (68 °F)
<b>Water solubility</b>	Emulsifiable	None known
<b>Solubility in other solvents</b>	No Data Available	None known
<b>Partition coefficient</b>	No Data Available	None known
<b>Autoignition temperature</b>	No Data Available	None known
<b>Decomposition temperature</b>	No Data Available	None known
<b>Kinematic viscosity</b>	No Data Available	None known
<b>Dynamic viscosity</b>	No Data Available	None known

**OTHER INFORMATION**

<b>Explosive properties</b>	No information available.
<b>Oxidizing properties</b>	No information available.
<b>Softening point</b>	No information available.
<b>Molecular weight</b>	No information available.
<b>VOC (EPA METH.24) (G/L):</b>	No information available.
<b>Liquid Density</b>	7.65 lb/gal
<b>Bulk density</b>	No information available.

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight. Keep away from open flames, hot surfaces and sources of ignition.
<b>Incompatible materials</b>	None known based on information supplied.
<b>Hazardous Decomposition Products:</b>	

**11. TOXICOLOGICAL INFORMATION****Acute toxicity:**

Oral Toxicity LD <sub>50</sub> (rats)	3773 mg/kg	EPA Tox Category	III
Dermal Toxicity LD <sub>50</sub> (rabbits)	> 2000 mg/kg	EPA Tox Category	III
Inhalation Toxicity LC <sub>50</sub> (rats)	> 3.1 mg/L	EPA Tox Category	IV
Eye Irritation (rabbits)	Moderately irritating	EPA Tox Category	III
Skin Irritation (rabbits)	Moderate to severely irritating	EPA Tox Category	III
Skin Sensitization (guinea pigs)	Non-sensitizer (Buehler)	EPA Tox Category	Not applicable

**CARCINOGEN CLASSIFICATION**

Chemical name	IARC	OSHA - Select Carcinogens	NTP Carcinogen List
Pyriproxyfen	Not listed	Not listed	Not listed
Others	Not Listed	Not listed	Not listed
Total hydrocarbons	Not listed	Not listed	Not listed

Naphthalene	Group 2B	Carcinogen	Suspect Carcinogen
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### TOXICITY OF PYRIPROXYFEN TECHNICAL

**Subchronic:** Subchronic oral toxicity studies conducted with Pyriproxyfen Technical in the rat, mouse and dog indicate a low level of toxicity. Effects observed at high dose levels consisted primarily of decreased body weight; increased liver weights; histopathological changes in the liver and kidney; decreased red blood cell counts, hemoglobin and hematocrit; altered blood chemistry parameters; and, at 5000 and 10000 ppm in mice, a decrease in survival rates. The NOELs from these studies were 1000 ppm (149.4 mg/kg/day) in mice, 100 mg/kg/day in dogs and 400 ppm (23.5 mg/kg/day) in rats. In a 4 week inhalation study of Pyriproxyfen Technical in rats, decreased body weight and increased water consumption was observed at 1000 mg/m<sup>3</sup>. The NOEL in this study was 482 mg/m<sup>3</sup>. A 21-day dermal toxicity study in rats with Pyriproxyfen Technical did not produce any signs of dermal or systemic toxicity at 1000 mg/kg/day.

**Chronic/Carcinogenicity:** Pyriproxyfen Technical has been tested in chronic studies with dogs, rats and mice. Dogs exposed to dose levels of 300 mg/kg/day or higher for 52 weeks showed overt clinical signs of toxicity, elevated levels of blood enzymes and liver damage. The NOEL in this study was 100 mg/kg/day. In a 78 week study in mice, dietary levels of 3000 ppm or greater produced gross and histopathological changes in the kidney. The NOEL in this study was 600 ppm. In a 2-year study in rats, dietary levels of 3000 ppm or greater produced decreased body weights in female rats. The NOEL in the rat study was 600 ppm. No oncogenic response was produced in mice or rats.

**Developmental Toxicity:** Tests for developmental toxicity in rats and rabbits were conducted with Pyriproxyfen Technical. In the study conducted with rats, maternal toxicity (mortality, decreased body weight gain and food consumption and clinical signs of toxicity) was observed at doses of 300 mg/kg/day and greater. The maternal NOEL was 100 mg/kg/day. A transient increase in skeletal variations was observed in rat fetuses exposed to 300 mg/kg/day and greater. The NOEL for prenatal developmental toxicity was 100 mg/kg/day. An increased incidence of visceral and skeletal variations was observed postnatally at 1000 mg/kg/day. The NOEL for postnatal developmental toxicity was 300 mg/kg/day. In the study conducted with rabbits, maternal toxicity (clinical signs of toxicity including one death, decreased body weight gain and food consumption, and abortions or premature deliveries) was observed at oral doses of 300 mg/kg/day or higher. The maternal NOEL was 100 mg/kg/day. No developmental effects were observed in the rabbit fetuses. The NOEL for developmental toxicity in rabbits was 1000 mg/kg/day.

**Reproduction:** A dietary rat reproduction study was conducted with Pyriproxyfen Technical. Systemic toxicity (reduced body weights, histopathological changes in the liver and kidney, and increased liver weight) was produced at 5000 ppm. The systemic NOEL was 1000 ppm. No effects on reproduction were produced even at 5000 ppm, the highest dose tested.

**Mutagenicity:** Pyriproxyfen Technical was negative in the following tests for mutagenicity: Ames Assay with and without S9, unscheduled DNA synthesis in HeLa S3 cells, *in vitro* gene mutation in V79 Chinese hamster cells, and *in vitro* chromosomal aberration in Chinese hamster ovary cells.

### TOXICITY OF OTHER INGREDIENTS:

This product contains a solvent. Solvents, when inhaled, can cause nasal and respiratory irritation and central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possibly unconsciousness and even death. Ingestion of solvents can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Prolonged or repeated dermal exposures may cause drying, scaling and even blistering of the skin. Aspiration of low viscosity products can cause chemical pneumonitis which can be fatal. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Symptoms include fatigue, concentration difficulties, anxiety, depression, rapid mood swings and short-term memory loss. The reports are not clear with regard to the types of solvents that may cause these symptoms, and there is controversy among scientists to whether the condition exists or is caused by this type of product. Since many other diseases cause some or all of these conditions, a doctor should be consulted if any appear. Acute exposure to naphthalene by inhalation, ingestion, and dermal contact has been associated with hemolytic anemia, damage to the kidneys, cataracts, and, in infants, brain damage. There is limited evidence of fetal and maternal toxicity from exposure to naphthalene.

Chronic (long-term) exposure of workers and rodents to naphthalene has been reported to cause cataracts and

damage to the retina. Lesions in the kidneys and thymus, signs of anemia, and reduced spleen weights have been observed in rats and mice chronically exposed via gavage. A National Toxicology Program (NTP) report states that lifetime inhalation exposure to naphthalene resulted in increases in tumors of the nose in rats. In another NTP study, lifetime inhalation exposure to naphthalene increased lung tumors in female mice. The relevance of the rodent findings to humans is unknown. Naphthalene has been listed by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B).

For a summary of the potential for adverse health effects from exposure to this product, refer to Section 2. For information regarding regulations pertaining to this product, refer to Section 15.

## 12. ECOLOGICAL INFORMATION

**AVIAN TOXICITY:** Pyriproxyfen Technical is practically non-toxic to avian species. Test results include:

Oral LD<sub>50</sub> mallard duck: > 2000 mg/kg  
Oral LD<sub>50</sub> bobwhite quail: > 2000 mg/kg  
Dietary LC<sub>50</sub> mallard duck: > 5200 ppm  
Dietary LC<sub>50</sub> bobwhite quail: > 5200 ppm  
Reproduction bobwhite quail: NOEC = 600 ppm  
Reproduction mallard duck: NOEC = 600 ppm

**AQUATIC ORGANISM TOXICITY:** Pyriproxyfen Technical is moderately to highly toxic to fish and moderately to very highly toxic to aquatic invertebrate species. Test results include:

Freshwater species:  
LC<sub>50</sub> (96 hr) Bluegill Sunfish: > 270 µg/L  
LC<sub>50</sub> (96 hr) Rainbow Trout: > 325 µg/L  
LC<sub>50</sub> (21 day) Rainbow Trout: 90 µg/L  
LC<sub>50</sub> (96 hr) Carp: 450 µg/L  
LC<sub>50</sub> (96 hr) Killifish: 2660 µg/L  
EC<sub>50</sub> (48 hr) Daphnia magna: 400 µg/L  
MATC (21 day) Daphnia magna: 20 ppt  
MATC (Early Life Cycle) Rainbow Trout: 5.4 µg/L

Estuarine species:  
LC<sub>50</sub> (96 hr) Sheepshead Minnow: > 1.02 ppm  
LC<sub>50</sub> (96 hr) Mysid Shrimp: 65 ppb  
EC<sub>50</sub> (96 hr) Oyster Shell Deposition: 92 ppb

**OTHER NON-TARGET ORGANISM TOXICITY:** Pyriproxyfen Technical is practically non-toxic to bees. The acute contact LC<sub>50</sub> in bees was greater than 100 µg/bee.

### OTHER ENVIRONMENTAL INFORMATION:

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below mean high water mark. Do not apply where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

## 13. DISPOSAL CONSIDERATIONS



**Waste treatment methods**

<b>Waste from residues/unused products</b>	For information on disposal of unused, unwanted product, contact the provincial regulatory agency or manufacturer. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.
<b>Contaminated packaging</b>	Triple- or pressure-rinse the container. Add the rinsings to the spray mixture in the tank. Follow provincial instruction for any required additional cleaning of the container prior to disposal. Make the container unsuitable for further use. Dispose of the container in accordance with provincial requirements.

**14. TRANSPORTATION INFORMATION**

<b>DOT (ground) shipping name:</b>	In NON-BULK containers (< 119 gal capacity), excepted from Hazmat regulation - see 49CFR 173.150 In BULK containers (>119 gal): NA 1993, Combustible Liquid N.O.S. (contains Naphthalene), 3, III If more than 217 gal in one container: NA 1993, Combustible Liquid N.O.S. (contains Naphthalene), 3, III RQ
<b>Remarks:</b>	Marine pollutant
<b>Emergency Response Guidebook No.:</b>	128 (for bulk containers)
<b>ICAO/IATA proper shipping name:</b>	UN 3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Pyriproxyfen), 9, III, Marine Pollutant
<b>Remarks:</b>	<ul style="list-style-type: none"> <li>•Single or inner packaging less than 5 L (liquid) or 5 Kg net (solids) excepted from Dangerous Goods regulations – see IATA Special Provision A197.</li> <li>•For U.S. shipping, Emergency Response Guidebook No. 171.</li> <li>•Flash point does NOT qualify as Class 3 for IATA shipping - 67°C Closed cup</li> </ul>
<b>IMDG proper shipping name:</b>	UN 3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Pyriproxyfen), 9, III, Marine Pollutant
<b>Remarks:</b>	<ul style="list-style-type: none"> <li>•Single or inner packaging less than 5 L (liquid) or 5 Kg net (solids) excepted from Dangerous Goods regulations – see IMDG 2.10.2.7</li> <li>•For US shipping, Emergency Response Guidebook No. 171</li> <li>•Flash point does NOT qualify as Class 3 for IATA shipping - 67°C Closed cup</li> </ul>
<b>EMS No.:</b>	F-A, S-F

**15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture****PMRA LABEL INFORMATION THAT DIFFERS FROM WHMIS-GHS REQUIREMENTS:**

Pesticide products in Canada are registered by PMRA and are subject to certain labeling requirements under federal pesticide law. The label, as specified in the Pest Control Products Act, is the main document to be followed for safety, use, and handling. These label requirements may differ from the classification criteria and hazard information required under WHMIS GHS for the data sheets and for workplace labels of non-pesticide chemicals. The following hazard information is required on the product label:

**PMRA SIGNAL WORD:** • Caution

**PMRA pesticide label hazard information:** Causes skin irritation and moderate eye irritation. Avoid breathing vapors or spray. Avoid contact with eyes, skin and clothing. Aspiration hazard, do not induce vomiting. Keep out of reach of children.

Chemical name	Canada DSL Inventory List -	Canada NDSL Inventory List -	EINECS Inventory List -
Total hydrocarbons	Present		Present
Naphthalene	Present		Present

For information regarding potential adverse health effects from exposure to this product, refer to Sections 2 and 11.

**PESTICIDE REGULATIONS:** All pesticides are governed under PCPA (Pest Control Products Act). Therefore, the regulations presented below are pertinent only when handled outside of the normal use and applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of products, and storage of large quantities of products containing hazardous or extremely hazardous substances.

**PROVINCIAL REGULATIONS:** This product did not trigger any provincial regulations.

#### International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

## 16. OTHER INFORMATION

**REASON FOR ISSUE:** Corrected the regulatory section and put in a slightly new format. Updated the Emergency Telephone Number.

**SDS NO.:** CAN-0182

**PCPA REGISTRATION NUMBER:** 28414

**REVISION NUMBER:** 3

**REVISION DATE:** 08/14/2019

**SUPERCEDES DATE:** April 23, 2013

**RESPONSIBLE PERSON(S):** Valent U.S.A. LLC, Corporate EH&S, (925) 256-2803

The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, to the extent consistent with applicable law, Valent Canada, Inc. and its subsidiaries or affiliates extend no warranties, make no representations, and assume no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, to the extent consistent with applicable law, neither Valent Canada, Inc. nor any of its subsidiaries or affiliates represents or guarantees that this information or product may be used without infringing the intellectual property rights of others. Except to the extent a particular use and particular information are expressly stated on the product label, it is the users' own responsibility to determine the suitability of this information for their own particular use of this product. If necessary, contact Valent Canada, Inc. to confirm that you have the most current product label and SDS.

The Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE PMRA-APPROVED PRODUCT LABEL (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use.

The product label provides information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products is regulated by the PMRA under the authority of the *Pest Control Products Act* through the product label. All necessary hazard classification and appropriate precautionary use, storage, and disposal information is set forth on that label or labeling accompanying the pesticide or to which reference is made on the label. It is a violation of federal law to use a PMRA-registered pesticide product in any manner inconsistent with its labeling.

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