

DISTANCE® Insect Growth Regulator



Safety Data Sheet - GHS

1. IDENTIFICATION: CHEMICAL PRODUCT AND COMPANY

PRODUCT NAME: DISTANCE® Insect Growth Regulator
EPA REGISTRATION NUMBER: 59639-96
VC NUMBER(S): 1035
SYNONYM(S): S-71639 0.86 EC
Pyriproxyfen 0.86 EC
V-71639 0.86 EC
PCPA REGISTRATION NUMBER: 28414
PRODUCT DESCRIPTION: Insect Growth Regulator

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

MANUFACTURER/DISTRIBUTOR

VALENT U.S.A. LLC
P.O. Box 5075
4600 Norris Canyon Road
San Ramon, CA 94583

EMERGENCY TELEPHONE NUMBERS

HEALTH EMERGENCY OR SPILL (24 hr):
(800) 892-0099
TRANSPORTATION (24 hr.): CHEMTREC
(800) 424-9300 or (202) 483-7616

PRODUCT INFORMATION

AGRICULTURAL PRODUCTS: (800) 682-5368

The current SDS is available through our website (www.valent.com), or by calling the product information numbers listed above.

2. HAZARDS IDENTIFICATION

This product is an EPA FIFRA registered pesticide. Some classifications on this SDS are not the same as the FIFRA-required classifications on the product label. Certain sections of this SDS are superseded by federal law under EPA FIFRA for a registered pesticide. Please see Section 15, REGULATORY INFORMATION for an explanation.

Classification - (per U.S. OSHA 29 CFR 1910.1200 (Hazcom 2012))

| | |
|---|--------------------------|
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2B |
| Carcinogenicity | Category 2 (naphthalene) |
| Flammable liquids | Category 4 |

Label elements

EMERGENCY OVERVIEW

Emergency Telephone: (800) 892-0099
REVISION NUMBER: 3

SDS NO.: 0182
REVISION DATE: 08/20/2020

WARNING**Hazard statements**

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

Precautionary statements**Prevention**

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

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 CENTER or doctor/physician if you feel unwell.

Ingestion None.

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

Spill None.

Storage

Store locked up
 Store in a well-ventilated place

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)**Other Information**

- Very toxic to aquatic life with long lasting effects.

For information on Transportation requirements, see Section 14.

| |
|--|
| 3. COMPOSITION/INFORMATION ON INGREDIENTS |
|--|

| Chemical name | CAS No. | Weight-% | TRADE SECRET |
|---------------|---------|----------|--------------|
|---------------|---------|----------|--------------|

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| | | | |
|--------------------|------------|---------|---|
| Pyriproxyfen | 95737-68-1 | 10 - 15 | |
| Total hydrocarbons | 64742-94-5 | 40 - 50 | - |
| Naphthalene | 91-20-3 | 1 - 6 | * |
| Others | No CAS# | 30 - 40 | - |

Other ingredients, which may be maintained as trade secrets, are any substances other than an active ingredient contained in this product. Some of these may be hazardous, but their identities are withheld because they are considered trade secrets. The hazards associated with the other ingredients are addressed in this document. Specific information on other ingredients for the management of exposures, spills, or safety assessments can be obtained by a treating physician or nurse by calling **(800) 892-0099** at any time.

4. FIRST AID MEASURES

EMERGENCY NUMBER (800) 892-0099

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact **1-800-892-0099** for emergency medical treatment information.

EYE CONTACT:

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

INGESTION:

Call a poison control center 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 center or doctor. Do not give anything to an unconscious person.

INHALATION:

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

NOTES TO PHYSICIAN:

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

| | |
|--------------------------------------|---|
| Flash point °C | 66.7 °C |
| Flash point °F | 152 °F |
| FLASH POINT METHOD: | SetaFlash Closed Cup |
| AUTOIGNITION: | No data available |
| EXTINGUISHING MEDIA: | Water fog, carbon dioxide, foam, dry chemical |
| FLAMMABLE LIMITS IN AIR - LOWER (%): | No data available |
| FLAMMABLE LIMITS IN AIR - UPPER (%): | No data available |

NFPA RATING:

| | |
|---------------|---|
| Health: | 2 |
| Flammability: | 2 |
| Reactivity: | 0 |
| Special: | 0 |

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using professional judgement. Values were not available in the guidelines or published evaluations prepared by the National Fire Protection Association, NFPA.

FIRE FIGHTING INSTRUCTIONS: Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor 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.

HAZARDOUS DECOMPOSITION PRODUCTS: 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 fire fighting. 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 fire fighting equipment before reuse.

6. ACCIDENTAL RELEASE MEASURES

VALENT EMERGENCY PHONE NUMBER: (800) 892-0099

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300

OBSERVE PRECAUTIONS IN SECTION 8: PERSONAL PROTECTION

Stop the source of the spill if safe to do so. Contain the spill to prevent further contamination of the soil, surface water, or ground water. For additional spill response information refer to the North American Emergency Response Guidebook.

UN/NA NUMBER: Not applicable.

EMERGENCY RESPONSE GUIDEBOOK NO.: Not applicable

Personal precautions:

Avoid contact with skin, eyes and inhalation of vapors. Ensure adequate ventilation. Remove all sources of ignition. Stop leak if you can do it without risk. Use personal protective equipment as required.

FOR SPILLS ON LAND:

CONTAINMENT: Avoid runoff into storm sewers and ditches which lead to waterways. Contain spilled liquids with dry sorbents.

CLEANUP: Clean up spill immediately. Absorb spill with inert material (such as dry sand or earth), then 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.

FOR SPILLS IN WATER:

CONTAINMENT: This material forms an emulsion in water. Stop or reduce contamination of any water. Isolate contaminated water.

CLEANUP: Clean up spill immediately. Absorb spill with inert material. Remove contaminated water for treatment or disposal.

7. HANDLING AND STORAGE

END USER MUST READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

HANDLING:

Keep pesticide in original container. Do not put concentrate into food or drink containers. Do not dilute concentrate

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in food or drink containers. DO NOT USE OR STORE near flame, sparks or hot surfaces. Use only in well ventilated area. Keep container closed.

DO NOT weld, heat or drill container. Replace cap or bung. Emptied container still contains hazardous or explosive vapor or liquid. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

STORAGE:

Do not contaminate water, food, or feed by storage or disposal. Store product in original container in a cool, dry area away from children, pets and direct sunlight. Do not use or store near heat or open flame. Keep pesticide in original container only. Keep container tightly closed.

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

END USER MUST READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

EYES & FACE: Do not get this material in your eyes. Eye contact can be avoided by wearing safety goggles or a face shield.

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.

SKIN & HAND PROTECTION: Do not get on skin or clothing. Skin contact should be minimized by wearing protective clothing including coveralls worn over short-sleeved shirt and short pants, socks, chemical-resistant footwear and chemical-resistant gloves. Remove contaminated clothing.

ENGINEERING CONTROLS: Eyewash and safety shower equipment should be available. Local exhaust ventilation should be used in areas without good cross ventilation.

EXPOSURE LIMITS

| Chemical name | ACGIH Exposure Limits | OSHA Exposure Limits | Manufacturer's Exposure Limits |
|--------------------|--|--|--------------------------------|
| Pyriproxyfen | None | None | None |
| Total hydrocarbons | 100 mg/m ³ TWA (17 ppm) TWA | None | None |
| Naphthalene | 10 ppm TWA, 15 ppm STEL skin - potential for absorption | 10 ppm TWA, 15 ppm STEL 50 mg/m ³ TWA, 75 mg/m ³ STEL | None |
| Others | None | None | Not known |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-----------------------|-------------|-----------------------|--------------------------|
| Physical state | Liquid | | |
| Appearance | Clear | Odor | Mild Aromatic |
| Color | Pale yellow | Odor threshold | No information available |

| <u>PROPERTIES</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------------|--------------------------|-------------------------|
| pH | 5.7 | 10% v/v |
| Melting point/freezing point | No information available | |
| Boiling point/boiling range | No information available | |
| Flash point | 66.7 °C / 152 °F | SetaFlash Closed Cup |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limits in Air | | |
| Upper flammability limits | Not applicable | |

| | | |
|-------------------------------------|-------------------------------------|-----------------|
| Lower flammability limit | Not applicable | |
| Vapor pressure | No information available | |
| Vapor density | No information available | |
| Specific Gravity | 0.92 | @ 20 °C (68 °F) |
| Water solubility | Emulsifiable | |
| Solubility in other solvents | No information available | |
| Partition coefficient | No information available | |
| Autoignition temperature | No information available | |
| Decomposition temperature | No information available | |
| Viscosity | No information available | |
| Explosive properties | Not an explosive | |
| Oxidizing properties | Not an oxidizing or reducing agent. | |
| Liquid Density | 7.65 lb/gal | |
| Bulk density | No information available | |

10. STABILITY AND REACTIVITY

Reactivity
No data available

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to avoid
Extremes of temperature and direct sunlight. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials
None known based on information supplied.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

| | | | |
|---|--|------------------|------------|
| Oral Toxicity LD ₅₀ (rats) | 3773 mg/kg | EPA Tox Category | III |
| Dermal Toxicity LD ₅₀ (rabbits) | >2000 mg/kg | EPA Tox Category | III |
| Inhalation Toxicity LC ₅₀ (rats) | >3.1 mg/L | EPA Tox Category | IV |
| Eye Irritation (rabbits) | Eye irritation reversible within 7 days. | EPA Tox Category | III |
| Skin Irritation (rabbits) | Moderate to severely irritating | EPA Tox Category | III |
| Skin Sensitization (guinea pigs) | Sensitizer | EPA Tox Category | Sensitizer |

CARCINOGEN CLASSIFICATION

| Chemical name | IARC Group 1 or 2 | 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 |

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/m³. The NOEL in this study was 482 mg/m³. 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 LD₅₀ mallard duck: > 2000 mg/kg
Oral LD₅₀ bobwhite quail: > 2000 mg/kg
Dietary LC₅₀ mallard duck: > 5200 ppm
Dietary LC₅₀ 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:
LC₅₀ (96 hr) Bluegill Sunfish: > 270 µg/L
LC₅₀ (96 hr) Rainbow Trout: > 325 µg/L
LC₅₀ (21 day) Rainbow Trout: 90 µg/L
LC₅₀ (96 hr) Carp: 450 µg/L
LC₅₀ (96 hr) Killifish: 2660 µg/L
EC₅₀ (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:
LC₅₀ (96 hr) Sheepshead Minnow: > 1.02 ppm
LC₅₀ (96 hr) Mysid Shrimp: 65 ppb
EC₅₀ (96 hr) Oyster Shell Deposition: 92 ppb

OTHER NON-TARGET ORGANISM TOXICITY: Pyriproxyfen Technical is practically non-toxic to bees. The acute contact LC₅₀ 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

END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS PER THE LABEL RECOMMENDATIONS.

PRODUCT DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities by burning. If burned, stay out of smoke.

DISPOSAL METHODS: Check government regulations and local authorities for approved disposal of this material. Dispose of in accordance with applicable laws and regulations.

14. TRANSPORTATION INFORMATION

DOT (ground) SHIPPING NAME: 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

EMERGENCY RESPONSE GUIDEBOOK NO.: 128 (for bulk containers)

ICAO/IATA SHIPPING NAME: UN 3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Pyriproxyfen), 9, III, Marine Pollutant

REMARKS:

- Single or inner packaging less than 5 L (liquid) or 5 Kg net (solids) excepted from Dangerous Goods regulations – see IATA Special Provision A197
- For US shipping, Emergency Response Guidebook No. 171
- Flash point does NOT qualify as Class 3 for IATA shipping - 67°C Closed cup

IMDG SHIPPING NAME: UN 3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Pyriproxyfen), 9, III, Marine Pollutant

REMARKS:

- 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
- Flash point does NOT qualify as Class 3 for IATA shipping - 67°C Closed cup

EMS NO.: F-A, S-F

15. REGULATORY INFORMATION

EPA-FIFRA LABEL INFORMATION THAT DIFFERS FROM OSHA-GHS REQUIREMENTS:

Pesticide products in the U.S. are registered by the EPA under FIFRA and are subject to certain labeling requirements under federal pesticide law. These requirements may differ from the classification criteria and hazard information required by OSHA GHS for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the FIFRA pesticide label:

EPA FIFRA SIGNAL WORD: CAUTION

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

PESTICIDE REGULATIONS: All pesticides are governed under FIFRA (Federal Insecticide, Fungicide, and Rodenticide 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.

U.S. FEDERAL REGULATIONS: Ingredients in this product are reviewed against an inclusive list of federal regulations. Therefore, the user should consult appropriate authorities. The federal regulations reviewed include: Clean Water Act, SARA, CERCLA, RCRA, DOT, TSCA and OSHA. If no components or information is listed in the space below this paragraph, then none of the regulations reviewed are applicable.

Naphthalene

| | |
|--|-------------------------------|
| Clean Water Act - Hazardous Substances | Present |
| Clean Water Act Section 307 | Present |
| SARA 313 Chemicals | 0.1% de minimis concentration |
| CERCLA Reportable Quantity (RQ): | 100 lb (45.4 kg) |

Product Reportable Quantity (RQ): 267 gallons

SARA (311, 312):

| | |
|-------------------|-----|
| Immediate Health: | Yes |
| Chronic Health: | Yes |
| Fire: | Yes |
| Sudden Pressure: | No |
| Reactivity: | No |

STATE REGULATIONS: Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list of all state regulations. Therefore, the user should consult state or local authorities. The state regulations reviewed include: California Proposition 65, California Directors List of Hazardous Substances, Massachusetts Right to Know, Michigan Critical Materials List, New Jersey Right to Know, Pennsylvania Right to Know, Rhode Island Right to Know and the Minnesota Hazardous Substance list. For Washington State Right to Know, see Section 8 for Exposure Limit information. For Louisiana Right to Know refer to SARA information listed under U.S. Regulations above. If no components or information is listed in the space below this paragraph, then none of the regulations reviewed are applicable.

Naphthalene

| | |
|---|------------|
| California Proposition 65 | carcinogen |
| California - Directors List of Hazardous Substances | Present |
| MA Right To Know | Present |
| NJ Right To Know | 1322 |

| | |
|------------------------|----------------------|
| PA Right To Know | Environmental hazard |
| RI Right To Know | Listed |
| MN Hazardous Substance | Present |

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

16. OTHER INFORMATION

| | |
|----------------------------------|--|
| REASON FOR ISSUE: | Updated Manufacturer/Distributor Address and General Review. |
| SDS NO.: | 0182 |
| EPA REGISTRATION NUMBER: | 59639-96 |
| PCPA REGISTRATION NUMBER: | 28414 |
| REVISION NUMBER: | 3 |
| REVISION DATE: | 08/20/2020 |
| SUPERCEDES DATE: | 04/04/2019 |
| 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 U.S.A. LLC 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 U.S.A. LLC 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 U.S.A. LLC to confirm that you have the most current product label and SDS.

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 as required by the Occupational Health and Safety Act (29 CFR 1910.1200, "Hazcom").

The product label provides information specifically for product use in the ordinary course. 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.

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