



**Safety Data Sheet - GHS**

**1. IDENTIFICATION: CHEMICAL PRODUCT AND COMPANY**

**PRODUCT NAME:** Senstar™ Insecticide  
**EPA REGISTRATION NUMBER:** 59639-243  
**VC NUMBER(S):** 2092, 2103, 2111, 2115 (and other similar formulations)  
**PRODUCT DESCRIPTION:** Insecticide Mixture

Senstar is a 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

**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 Certain sections of this SDS are superseded by federal law under EPA FIFRA for a registered pesticide.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
Serious eye damage/eye irritation	Category 2
Skin Sensitization	Category 1A
Reproductive toxicity	Category 2

**Label elements**

**EMERGENCY OVERVIEW**

**WARNING**



**Hazard statements**

Harmful if inhaled  
 May cause an allergic skin reaction  
 Causes eye irritation.  
 Suspected of damaging fertility or the unborn child

**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  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves

**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.

**Skin** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Inhalation** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Ingestion** None.

**FIRE** None.

**Spill** None.

**Storage**

Store locked up

**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
Spirotetramat	203313-25-1	11.47	
Pyriproxyfen	95737-68-1	4.01	
Propylene glycol	57-55-6	6 - 7	*
1-methylnaphthalene	90-12-0	0.76	*
2-methylnaphthalene	91-57-6	1.22	*
Naphthalene	91-20-3	0.03	*
Sodium hydroxide	1310-73-2	0.03	*

\* The chemical name, CAS number and/or exact percentage have been withheld as a trade secret

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:

None

#### 5. FIRE FIGHTING MEASURES

Flash point °C  
Flash point °F > 200 °F

##### NFPA RATING:

Health:	1
Flammability:	1
Reactivity:	0
Special:	None

(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.

#### 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

**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.

**7. HANDLING AND STORAGE**

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

**HANDLING:**

The usual precautions for handling chemicals should be observed. For personal protection see Section 8. Wear protective clothing and equipment when handling this product. Goggles or protective eyewear, gloves, long-sleeved shirt, long pants, socks and shoes are appropriate. Keep material 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 concentrate in food or drink containers. Store in a cool, dry place, out of direct sunlight. Users should wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet.

**STORAGE:**

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 concentrate in food or drink containers. Store in a cool, dry place, away from heat, flame and strong acids. Keep container closed when not in use. Protect from freezing. Do not store at temperatures below 32°F. If the product is exposed to temperatures below 32°F, thaw at room temperature to 50°F 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.**

**PERSONAL PROTECTIVE EQUIPMENT (PPE)** Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks and chemical-resistant gloves including barrier laminate, butyl rubber 14 mils, nitrile rubber 4 mils, neoprene rubber 14 mils, natural rubber 14 mils, polyethylene, polyvinyl chloride (PVC) 14 mils, and Viton 14 mils.

**General Hygiene Considerations:**

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

**EYES & FACE:** Use eye protection to avoid eye contact. Use safety glasses with side-shields or goggles.

**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. Immediately take off all contaminated clothing and wash before reuse. Garments that cannot be cleaned must be destroyed (burned). Wash hands before breaks and at the end of work.

**ENGINEERING CONTROLS:** Use in a well ventilated area.

**EXPOSURE LIMITS**

Chemical name	ACGIH Exposure Limits	OSHA Exposure Limits	Manufacturer's Exposure Limits

Spirotetramat	None	None	1.4 mg/m <sup>3</sup> (SK-SEN)
Pyriproxyfen	None	None	None
Propylene glycol	None	None	None
1-methylnaphthalene	Skin - potential significant contribution to overall exposure by the cutaneous route	None	None
2-methylnaphthalene	Skin - potential significant contribution to overall exposure by the cutaneous route	None	None
Naphthalene	10 ppm TWA, 15 ppm STEL skin - potential for absorption	10 ppm TWA, 15 ppm STEL 50 mg/m <sup>3</sup> TWA, 75 mg/m <sup>3</sup> STEL	None
Sodium hydroxide	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	None

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state** Liquid @ 22°C  
**Appearance** No information available      **Odor** Mild aromatic at 22°C  
**Color** Off-white      **Odor threshold** No information available

<u>PROPERTIES</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	6.5 - 8.5 (1% dilution)	
<b>Melting point/freezing point</b>	No information available	
<b>Boiling point/boiling range</b>	No information available	
<b>Flash point</b>	No information available > 200 °F	
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
<b>Upper flammability limits</b>	No information available	
<b>Lower flammability limit</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Specific Gravity</b>	No information available	
<b>Water solubility</b>	No information available	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	
<b>Liquid Density</b>	1.045 g/mL	
<b>Bulk density</b>	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.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY:**

The following information is for this product formulation.

Oral Toxicity LD <sub>50</sub> (rats)	>2,000 mg/kg	EPA Tox Category	III
Dermal Toxicity LD <sub>50</sub> (rabbits)	> 2,000 mg/kg	EPA Tox Category	III
Inhalation Toxicity LC <sub>50</sub> (rats)	>2.13 mg/L (4 h)	EPA Tox Category	IV
Eye Irritation (rabbits)	Mildly irritating	EPA Tox Category	IV
Skin Irritation (rabbits)	Slightly irritating	EPA Tox Category	IV
Mouse (LLNA method)	Positive	EPA Tox Category	Sensitizer

**CARCINOGEN CLASSIFICATION**

Chemical name	IARC Group 1 or 2	OSHA - Select Carcinogens	NTP Carcinogen List
Spirotetramat	Not listed	Not listed	Not listed
Pyriproxyfen	Not listed	Not listed	Not listed
Propylene glycol	Not listed	Not listed	Not listed
Sodium hydroxide	Not listed	Not listed	Not listed
1-methylnaphthalene	Not listed	Not listed	Not listed
2-methylnaphthalene	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/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 SPIROTETRAMAT TC

**CHRONIC/CARCINOGENICITY:** Spirotetramat was not carcinogenic in lifetime feeding studies in rats and mice.

**DEVELOPMENTAL TOXICITY:** Spirotetramat caused developmental toxicity only at dose levels toxic to the dams. Spirotetramat caused a delayed foetal growth, an increased incidence of variations.

**REPRODUCTION:** Spirotetramat caused male reproductive toxicity in the presence of general toxicity in the rat at very high experimental dose levels. There were no effects on male fertility in mice and dogs. The reproductive toxicity seen with Spirotetramat is due to an overwhelmed elimination capacity at high doses. The high dose levels needed for this effect cannot be achieved even in a worst case exposure scenario.

**MUTAGENICITY:** Spirotetramat was not mutagenic or genotoxic based on the overall weight of evidence in a battery of *in vitro* and *in vivo* tests.

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

Ecotoxicological/ environmental data not available for this product. Based upon the technical grade components, this product is very toxic to aquatic life, with long lasting results. Care should be taken to not allow material to flow into any waterways, drainage or sewer systems.

**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

SPIROTETRAMAT

Toxicity to fish

LC50 (Lepomis macrochirus (Bluegill sunfish)) 2.20 mg/l (96h)

Toxicity to aquatic invertebrates

EC50 (Water flea (Daphnia magna)) > 42.7 mg/l (48h)  
EC50 (Chironomus riparius (non-biting midge)) 0.46 mg/l (28d)  
NOEC (Chironomus riparius (non-biting midge)) 0.1 mg/l (28d)

Toxicity to aquatic plants

C50 (Pseudokirchneriella subcapitata) 8.15 mg/l (72h)

### 13. DISPOSAL CONSIDERATIONS

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

**PRODUCT DISPOSAL:** Disposal should be in accordance with applicable regional, national and local laws and regulations

**CONTAINER DISPOSAL:** Do not refill or reuse this container. This material and its container are for research purposes only. Follow proper disposal procedures.

**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:** Not regulated for domestic ground transport by U.S. DOT

**REMARKS:** None

**EMERGENCY RESPONSE** Not Applicable

**GUIDEBOOK NO.:**

**ICAO/IATA SHIPPING NAME:** UN3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Spirotetramat, 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

**IMDG SHIPPING NAME:** UN3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Spirotetramat,



**REMARKS:** Pyriproxyfen), 9, III, Marine Pollutant  
 •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  
 •For US shipping, Emergency Response Guidebook No. 171

**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

- *Harmful if swallowed*
- *Harmful if absorbed through skin*
- *Avoid contact with eyes, skin and clothing.*
- *Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals.*

**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)

#### SARA (311, 312):

Immediate Health:	Yes
Chronic Health:	No
Fire:	No
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.

<b>Propylene glycol</b>	
NJ Right To Know	3595
PA Right To Know	Present
RI Right To Know	Listed
MN Hazardous Substance	Present
<b>1-methylnaphthalene</b>	
MA Right To Know	Present
NJ Right To Know	4199
PA Right To Know	Present
<b>2-methylnaphthalene</b>	
NJ Right To Know	4200
<b>Naphthalene</b>	
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
<b>Sodium hydroxide</b>	
California - Directors List of Hazardous Substances	Present
MA Right To Know	Present
NJ Right To Know	1706
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**

<b>REASON FOR ISSUE:</b>	Update the Manufacturer's address.
<b>SDS NO.:</b>	0548
<b>EPA REGISTRATION NUMBER:</b>	59639-243
<b>REVISION NUMBER:</b>	2
<b>REVISION DATE:</b>	09/08/2020
<b>SUPERCEDES DATE:</b>	01/30/2020
<b>RESPONSIBLE PERSON(S):</b>	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

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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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