

# TAME® 2.4 EC Spray



## Safety Data Sheet - GHS

### 1. IDENTIFICATION: CHEMICAL PRODUCT AND COMPANY

**PRODUCT NAME:** TAME® 2.4 EC Spray  
**VC NUMBER(S):** 1237, 1238, 1340, 1541 and 2154  
**PRODUCT CODE:** 69625  
**EPA REGISTRATION NUMBER:** 59639-77

**PRODUCT DESCRIPTION:** Insecticide - Miticide

#### 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  
PROFESSIONAL PRODUCTS: (800) 898-2536

The current SDS is available through our website ([www.valent.com](http://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 Certain sections of this SDS are superseded by federal law under EPA FIFRA for a registered pesticide.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 - Oral	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 1B
Specific target organ toxicity (single exposure)	Category 1 (Nervous System)
Specific target organ toxicity (repeated exposure)	Category 2 (Nervous System)
Aspiration toxicity	Category 1
Flammable liquids	Category 4

#### Label elements

#### EMERGENCY OVERVIEW

Emergency Telephone: (800) 892-0099  
REVISION NUMBER: 4

SDS NO.: 0033  
REVISION DATE: 09/09/2020

## Danger



### Hazard statements

Toxic if swallowed  
Harmful if inhaled  
Causes eye irritation.  
May cause cancer  
May be fatal if swallowed and enters airways  
Causes damage to nervous system  
May cause damage to nervous system through prolonged or repeated exposure  
Combustible liquid

### 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.  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking

#### Response

IF EXPOSED OR CONCERNED: Get medical advice/attention  
Specific treatment (see .? on this label)

**Eyes** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin** None.

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

**Ingestion** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.

**FIRE** In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**Spill** None.

#### Storage

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

#### 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
Fenprothrin Technical Grade	39515-41-8	30.9	
Total hydrocarbons	64742-94-5	59.41	-
Naphthalene	91-20-3	5 - 6	*
Other ingredients	No CAS #	7	

\* 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:

Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth 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:

Treatment is supportive and symptomatic. Diazepam has been recommended to reduce the CNS effects of fenprothrin. Effect of exposure to substance may be delayed. Medical observation is indicated

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 68.89 °C

Flash point °F 156 °F

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

OSHA FLAMMABILITY CLASS: IIIA

**NFPA RATING:**

Health: 2  
 Flammability: 2  
 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.

**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.

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

**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:** Remove contaminated water for treatment or disposal.

## 7. HANDLING AND STORAGE

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

**HANDLING:**

Users should wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. Wear protective clothing and equipment when handling this product. Goggles or protective

eyewear, gloves, long-sleeved shirt, long pants, socks and shoes are appropriate. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Do not use or store near heat or open flame.

**STORAGE:**

Keep container closed when not in use. Keep container tightly closed. Do not put concentrate into food or drink containers. Do not dilute concentrate in food or drink containers. Do not store or transport near food or feed. Do not use or store in or around the home. Keep pesticide in original container only. Store in a cool, dry secure place. Store in a well ventilated area. Protect from excessive heat. Do not store at temperatures below 30° F. For help with any spill, leak, fire or exposure involving this material, call day or night 800-892-0099.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

**INFORMATION FOR END USERS**

**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 ventilation is not adequate to keep airborne concentrations below recommended exposure standards, approved respiratory protection should be worn.

**SKIN & HAND PROTECTION:** Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including chemical-resistant gloves. Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves, such as Barrier Laminate, Butyl Rubber, Nitrile Rubber or Viton  $\geq$  14 mils, and socks plus shoes.

Discard clothing or other absorbent material that have been heavily contaminated with this product. Do not reuse them.

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

**EXPOSURE LIMITS**

Chemical name	ACGIH Exposure Limits	OSHA Exposure Limits	Manufacturer's Exposure Limits
Fenprothrin Technical Grade	None	None	None
Total hydrocarbons	100 mg/m <sup>3</sup> 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 <sup>3</sup> TWA, 75 mg/m <sup>3</sup> STEL	None
Other ingredients	None	None	None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Liquid	<b>Odor</b>	Mild aromatic
<b>Appearance</b>	Clear	<b>Odor threshold</b>	No information available
<b>Color</b>	Amber		

<u>PROPERTIES</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	4.7	1% emulsion
<b>Melting point/freezing point</b>	No information available	
<b>Boiling point/boiling range</b>	No information available	
<b>Flash point</b>	68.89 °C / 156 °F	
<b>Evaporation rate</b>	No information available	

Emergency Telephone: (800) 892-0099  
REVISION NUMBER: 4

SDS NO.: 0033  
REVISION DATE: 09/09/2020

<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>	1.61 x 10 <sup>-8</sup> mmHg (25°C)	(Fenpropathrin Technical)
<b>Vapor density</b>	No information available	
<b>Specific Gravity</b>	No information available	
<b>Water solubility</b>	Emulsifiable	
<b>Solubility in other solvents</b>	Soluble in common organic solvents	
<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>	8.2 lb/gal @ 20°C	
<b>Bulk density</b>	No information available	

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under normal ambient conditions. Do not store at temperatures below 32°F.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Extremes of temperature and direct sunlight.

### Incompatible materials

Avoid contact with alkaline materials.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY:

The following information is for the formulated product.

Oral Toxicity LD <sub>50</sub> (rats)	66 mg/kg	EPA Tox Category	II
Dermal Toxicity LD <sub>50</sub> (rabbits)	> 2000 mg/kg	EPA Tox Category	III
Inhalation Toxicity LC <sub>50</sub> (rats)	1.21 mg/L	EPA Tox Category	III
Eye Irritation (rabbits)	Moderately irritating	EPA Tox Category	II
Skin Irritation	Minimally irritating	EPA Tox Category	III
Skin Sensitization (guinea pigs)	Negative	EPA Tox Category	Not applicable

**CARCINOGEN CLASSIFICATION**

Chemical name	IARC Group 1 or 2	OSHA - Select Carcinogens	NTP Carcinogen List
Fenpropathrin Technical Grade	Not listed	Not listed	Not listed
Total hydrocarbons	Not listed	Not listed	Not listed
Naphthalene	Group 2B	Carcinogen	Suspect Carcinogen
1,2,4-Trimethylbenzene	Not listed	Not listed	Not listed

**TOXICITY OF FENPROPATHRIN TECHNICAL**

**SUBCHRONIC:** Fenpropathrin Technical is a nervous system toxin that causes salivation, weakness, ataxia, tremors, and convulsions in laboratory animals.

**CHRONIC/CARCINOGENICITY:** A two year chronic/oncogenicity study was conducted in rats with doses of 50, 150, 450 and 600 ppm of Fenpropathrin Technical. Systemic toxicity observed at 450 ppm or greater included increased mortality, body tremors, and increased pituitary, kidney and adrenal weights. The NOEL for these effects was 150 ppm (7.23 mg/kg/day). No oncogenic effects were observed at any dose level. A two year oncogenicity study was conducted in mice with dose levels of 40 150 and 600 ppm of Fenpropathrin Technical. No toxicity other than a marginal increase in hyperactivity in females receiving 600 ppm was observed. The systemic NOEL for this study is 600 ppm (56.0 and 65.2 mg/kg/day for males and females, respectively) . No oncogenic effects were observed at any dose level. A one year study in dogs was conducted at dose levels of 100, 250 and 750 ppm of Fenpropathrin Technical. The NOEL for this study was 100 ppm (2.5 mg/kg/day) based on ataxia, languid behavior and tremors observed at 250 ppm or higher dose levels.

**DEVELOPMENTAL TOXICITY:** Fenpropathrin technical did not cause birth defects when tested in experimental animals. In a developmental toxicity study with rats, maternal toxicity at 10 mg/kg/day included neurotoxic effects and deaths. The maternal NOEL in this study was 6 mg/kg/day. No developmental toxicity was observed at 10 mg/kg/day. In a developmental toxicity study in rabbits, nervous system toxicity was observed at 12 mg/kg/day and higher in the dams and the maternal NOEL was 6 mg/kg/day. No developmental effects were observed in rabbits even at the highest dose of 36 mg/kg/day.

**REPRODUCTION:** Fenpropathrin Technical was tested in a three-generation rat reproduction study in rats at dose levels of 40, 120 and 360 ppm. The systemic NOEL in the parental generations was 40 ppm (2 mg/kg/day) based on tremors, muscle twitching, increased sensitivity and maternal deaths at 120 ppm. The reproductive NOEL was 120 ppm (6 mg/kg/day) based on decreased F1B pup weights and increased F2B loss at 360 ppm. The NOEL for systemic toxicity in the pups was 40 ppm (2 mg/kg/day) based on body tremors and increased mortality at 120 ppm.

**MUTAGENICITY:** Fenpropathrin Technical was negative in the following studies: gene mutation, chromosomal aberration, DNA damage/repair in *Bacillus subtilis*, micronucleus assay and sister chromatid exchange.

**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. Trimethyl benzene may affect the liver and may cause changes in the blood cells and affect the blood's clotting ability. Trimethyl benzene can irritate the lungs. Repeated exposures may cause bronchitis to develop with cough, phlegm, and/or shortness of breath. 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:

Fenpropathrin Technical is moderately toxic to birds following acute exposures:  
Oral LD<sub>50</sub> mallard duck: 1,089 mg/kg;  
Oral LD<sub>50</sub> zebra finch: >70 mg/kg;  
Dietary LC<sub>50</sub> bobwhite quail: > 10,000 ppm;  
Dietary LC<sub>50</sub> mallard duck: 9,026 ppm.  
No reproductive effects were observed in mallard ducks or bobwhite quail exposed to dietary levels of Fenpropathrin Technical. In mallard ducks, a NOEL was established at 125 ppm. In bobwhite quail, the NOEL was established at 25 ppm.

### AQUATIC ORGANISM TOXICITY:

Fenpropathrin TG is very highly toxic to freshwater organisms:  
Acute Toxicity to fish :  
Common Carp : LC50 (96 h) 0.015 mg/L  
Rainbow Trout : LC50 (96 h) 0.00075 mg/L

Acute Toxicity to crustacea :  
Daphnia magna : EC50 (48 h) 0.080 mg/L  
Amphipod : LC50 (96 h) 0.0029 µg/L

Acute Toxicity to alga :  
Green alga: ErC50 (0 - 72 h) > 0.59 mg/L  
Diatoms : ErC50 (0 - 96 h) > 1.0 mg/L  
Marine Diatom : ErC50 (0 - 96 h) 0.12 mg/L  
Blue-green alga : ErC50 (0 - 96 h) > 1.0 mg/L

Chronic Toxicity to algae:  
Green alga : NOECr (0 - 72 h) 0.59 mg/L  
Diatoms : NOECr (0 - 96 h) 0.14 mg/L  
Marine diatom : NOECr (0 - 96 h) 0.056 mg/L  
Blue-green alga : NOECr (0 - 96 h) 1.0 mg/L

### OTHER NON-TARGET ORGANISM TOXICITY:

Fenpropathrin Technical is highly toxic to bees. The acute contact 48-hour LD<sub>50</sub> for honey bees is 0.05 µg/bee. This product is highly toxic to bees or other pollinating insects 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 or other pollinating insects are foraging in the treatment area.

### OTHER ENVIRONMENTAL INFORMATION:

This product is extremely toxic to fish and aquatic organisms and is toxic to wildlife. 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.



This product may impact surface water quality due to runoff of rain water. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

### 13. DISPOSAL CONSIDERATIONS

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

**PRODUCT DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these waste cannot be disposed by use according to label instruction, contact your State Pesticide Agency or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Open dumping is prohibited.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure 2 more times.

Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

**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:** UN 3352, Pyrethroid pesticide, Liquid, toxic, n.o.s. (contains Fenpropathrin), 6.1, III

**EMERGENCY RESPONSE GUIDEBOOK NO.:** 151

**ICAO/IATA SHIPPING NAME:** UN 3352, Pyrethroid pesticide, Liquid, toxic, n.o.s. (contains Fenpropathrin), 6.1, Marine Pollutant

**IMDG SHIPPING NAME:** UN 3352, Pyrethroid pesticide, Liquid, toxic, n.o.s. (contains Fenpropathrin), 6.1, Marine Pollutant

**REMARKS:** Flash point = 68.89° C

**EMS NO.:** F-A, S-A

### 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: WARNING**

Emergency Telephone: (800) 892-0099  
REVISION NUMBER: 4

SDS NO.: 0033  
REVISION DATE: 09/09/2020

- **May be fatal if swallowed**
- **Causes substantial but temporary eye injury**
- **Causes skin irritation**
- **Harmful if inhaled or absorbed through skin.**
- **Contains petroleum distillates**
- **Restricted Use Pesticide due to toxicity to fish and aquatic organisms**
- **Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.**
- **Wear protective eyewear (goggles, face shield or safety glasses).**
- **Avoid breathing vapors or spray.**
- **Remove contaminated clothing and wash before re-use.**
- **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.

**Fenprothrin Technical Grade**

SARA 313 Chemicals 1.0% de minimis concentration

**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)

**1,2,4-Trimethylbenzene**

SARA 313 Chemicals 1.0% de minimis concentration

**Product Reportable Quantity (RQ):** 203.7 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.

**Fenprothrin Technical Grade**

NJ Right To Know 3253

**Naphthalene**

Emergency Telephone: (800) 892-0099  
REVISION NUMBER: 4

SDS NO.: 0033  
REVISION DATE: 09/09/2020

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

<b>REASON FOR ISSUE:</b>	Updated Manufacturer/Distributor Address and General Review.
<b>SDS NO.:</b>	0033
<b>EPA REGISTRATION NUMBER:</b>	59639-77
<b>REVISION NUMBER:</b>	4
<b>REVISION DATE:</b>	09/09/2020
<b>SUPERCEDES DATE:</b>	04/14/2020
<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 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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