



**Safety Data Sheet - GHS**

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

**PRODUCT NAME:** RESOURCE® Herbicide  
**EPA REGISTRATION NUMBER:** 59639-82  
**VC NUMBER(S):** 1747  
**SYNONYM(S):** S-23031 Herbicide; V-23031 Herbicide

**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](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 Certain sections of this SDS are superseded by federal law under EPA FIFRA for a registered pesticide.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))

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Carcinogenicity	Category 1B
Aspiration toxicity	Category 1

**Label elements**

**EMERGENCY OVERVIEW**

**Danger**



**Hazard statements**

May cause cancer  
 May be fatal if swallowed and enters airways  
 Causes eye irritation.  
 Causes skin irritation

**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.

**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** Wash thoroughly with soap and water. Wash contaminated clothing before reuse.

**Inhalation** None.

**Ingestion** None.

**FIRE** None.

**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
Flumiclorac Pentyl Technical (98.6% a.i.)	87546-18-7	10.1	
Total hydrocarbons	64742-94-5	35 - 40	-
2-methylnaphthalene	91-57-6	18 - 23	*
Naphthalene	91-20-3	10 - 15	*
1-methylnaphthalene	90-12-0	6 - 12	*
2-Ethyl hexanol	104-76-7	1 - 4	*
Propylene glycol	57-55-6	1 - 3	*
Others	No CAS#	1 - 10	-

\* 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:**

Contains petroleum distillates - vomiting may cause aspiration pneumonia. 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

<b>Flash point °C</b>	> 93 °C
<b>Flash point °F</b>	> 200 °F
<b>FLASH POINT METHOD:</b>	SetaFlash Closed Cup
<b>EXTINGUISHING MEDIA:</b>	Suitable Extinguishing Media: Fog, dry chemical powder Unsuitable Extinguishing Media: Do NOT use water jet or straight streams.
<b>FLAMMABLE LIMITS IN AIR - LOWER (%):</b>	Not applicable
<b>FLAMMABLE LIMITS IN AIR - UPPER (%):</b>	Not applicable
<b>OSHA FLAMMABILITY CLASS:</b>	Class IIIB

**NFPA RATING:**

Health:	2
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.

**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.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May emit toxic gases and irritating fumes under fire conditions.

## 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:** Dike area to avoid run-off. 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. 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.

### **STORAGE:**

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Store in a cool, dry place. Keep pesticide in original container only. Keep container closed when not in use. Do not put concentrate into food or drink containers. Do not dilute concentrate in food or drink containers. Not for use or storage in or around the home. Store in a well-ventilated place without drain or sewer access.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

**General Hygiene Considerations:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, applying makeup or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

**INFORMATION FOR END USERS**

Mixers, loaders, applicators and other handlers should refer to the product label before use for detailed information on personal protective equipment (PPE).

**EYES & FACE:** Appropriate eye protection must be worn when working with this material or serious harm can result. Wear protective eyewear.

**RESPIRATORY PROTECTION:** Use in a well ventilated area. If not adequate, use a respirator approved by the National Institute of Occupational Health and Safety.

**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 such as barrier laminate or Viton >= 14 mils. Remove contaminated clothing. Discard clothing and other absorbent materials that may have been drenched or heavily contaminated with this product's concentrate. 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 was PPE separately from other laundry.

**EXPOSURE LIMITS**

Chemical name	ACGIH Exposure Limits	OSHA Exposure Limits	Manufacturer's Exposure Limits
Flumiclorac Pentyl Technical (98.6% a.i.)	None	None	None
Total hydrocarbons	100 mg/m³ TWA (17 ppm) TWA	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/m³ TWA, 75 mg/m³ STEL	None
1-methylnaphthalene	Skin - potential significant contribution to overall exposure by the cutaneous route	None	None
2-Ethyl hexanol	None	None	None
Propylene glycol	None	None	None
Others	None	None	Not known

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state: Liquid  
 Appearance: Clear  
 Color: Medium Brown to dark red  
 Odor: Aromatic  
 Odor threshold: No information available

PROPERTIES	Values	Remarks • Method
pH	6.1	1% emulsion
Melting point/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash point	> 93 °C / > 200 °F	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	

<b>Flammability Limits in Air</b>		
Upper flammability limits	No information available	
Lower flammability limit	No information available	
<b>Vapor pressure</b>	1.0 x 10 <sup>-7</sup> mmHg @ 22.4° C	(Flumiclorac pentyl 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>	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>	@ 25° C: 11 centipoise at 30 rpm; 14 centipoise at 60 rpm	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	
<b>Liquid Density</b>	8.51 lbs/gal @ 20° C	
<b>Bulk density</b>	No information available	

**10. STABILITY AND REACTIVITY**

**Reactivity**  
Not reactive

**Chemical stability**  
Stable under normal ambient conditions.

**Possibility of Hazardous Reactions**  
None under normal processing.

**Hazardous polymerization**  
No information available.

**Conditions to avoid**  
Extremes of temperature and direct sunlight.

**Incompatible materials**  
Strong oxidizers, strong acids, strong bases.

**Hazardous Decomposition Products**  
Products of combustion from fires involving this material may be toxic.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY:**

Oral Toxicity LD <sub>50</sub> (rats)	Females: 3200 mg/kg Males: 4100 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)	5.51 mg/L	EPA Tox Category	IV
Eye Irritation (rabbits)	Moderately irritating	EPA Tox Category	II
Skin Irritation (rabbits)	Severely irritating	EPA Tox Category	II
Skin Sensitization (guinea pigs)	Non-sensitizer (Buehler)	EPA Tox Category	Not applicable

**CARCINOGEN CLASSIFICATION**

Chemical name	IARC Group 1 or 2	OSHA - Select Carcinogens	NTP Carcinogen List
Flumiclorac Pentyl Technical (98.6% a.i.)	Not listed	Not listed	Not listed
Total hydrocarbons	Not listed	Not listed	Not listed
2-methylnaphthalene	Not listed	Not listed	Not listed
Naphthalene	Group 2B	Carcinogen	Suspect Carcinogen
1-methylnaphthalene	Not listed	Not listed	Not listed
2-Ethyl hexanol	Not listed	Not listed	Not listed
Propylene glycol	Not listed	Not listed	Not listed
Others	Not Listed	Not listed	Not listed

**TOXICITY OF FLUMICLORAC PENTYL TECHNICAL**

**SUBCHRONIC:** Compound-related effects noted at very high dose levels of Flumiclorac Pentyl Technical in rodents and/or dogs included: increased liver and kidney weights; histological changes in the kidney and liver; slight changes in blood biochemistry parameters; decreased red blood cell count, hemoglobin and hematocrit and slight decreases in body weight. The NOEL in rats and mice was 1000 ppm.

**CHRONIC/CARCINOGENICITY:** Effects of long-term high dose exposures to Flumiclorac Pentyl Technical in rodents and/or dogs consisted primarily of increases in kidney and liver weights, slight changes in blood biochemistry, and histological changes in the liver. The lowest NOEL was 300 ppm in the mouse study. Flumiclorac Pentyl Technical was not carcinogenic in either rats or mice.

**DEVELOPMENTAL TOXICITY:** No developmental toxicity was observed in rats or rabbits even at maternally toxic levels of Flumiclorac Pentyl Technical. In rabbits the maternal NOEL was 400 mg/kg/day and the developmental NOEL was 800 mg/kg/day. In rats the maternal and developmental NOELs were 1500 mg/kg/day.

**REPRODUCTION:** Reproductive toxicity (higher rate of F1 pup deaths on Day 0 of lactation) as well as systemic toxicity were observed in rats at doses of 10,000 and 20,000 ppm Flumiclorac Pentyl Technical in a two-generation rat reproduction study. A repeat study for one generation did not confirm the reproductive toxicity finding. Thus, Flumiclorac Pentyl Technical is not considered a reproductive toxicant.

**MUTAGENICITY:** Flumiclorac Pentyl Technical was not mutagenic in most assays: gene mutation (with and without S-9 activation), unscheduled DNA synthesis, *in vitro* chromosomal aberration (with S-9), and *in vivo* mouse micronucleus. Only a weak positive response was observed in the *in vitro* chromosomal aberration assay in the absence of S-9 metabolic activation. Overall, Flumiclorac Pentyl Technical is not a genetic hazard.

**STOT - single exposure** No specific target organs noted.

**STOT - repeated exposure** No specific target organs noted. .

**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:** Flumiclorac Pentyl Technical is practically non-toxic to avian species. The following results were obtained from studies with Flumiclorac Pentyl Technical:  
LD<sub>50</sub> quail: greater than 2250 mg/kg  
LC<sub>50</sub> duck: greater than 5620 ppm  
LC<sub>50</sub> mallard: greater than 5620 ppm  
Quail Reproduction NOEC: 500 ppm  
Duck Reproduction NOEC: 250 ppm.

**AQUATIC ORGANISM TOXICITY:** The toxicity of Flumiclorac Pentyl Technical to freshwater fish and invertebrates ranges from slight to moderate. To saltwater/estuarine fish and invertebrates, it's toxicity ranges from slight to moderate:  
96-hour LC<sub>50</sub> bluegill sunfish: 17.4 mg/L  
96-hour LC<sub>50</sub> rainbow trout: 1.1 mg/L  
48-hour LC<sub>50</sub> Daphnia magna: greater than 38.0 mg/L  
96-hour LC<sub>50</sub> sheepshead minnow: greater than 24 mg/L  
96-hour EC<sub>50</sub> eastern oyster: greater than 1.8 mg/L  
96-hour LC<sub>50</sub> mysid shrimp: 0.56 mg/L

**OTHER NON-TARGET ORGANISM TOXICITY:** Flumiclorac Pentyl Technical is practically non-toxic to bees. The acute contact LD<sub>50</sub> is greater than 106 µg/bee.

### OTHER ENVIRONMENTAL INFORMATION:

This product is toxic to shrimp. Keep out of lakes, ponds or streams. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when 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. Do not contaminate water when disposing of equipment washwater or rinsate.

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Completely empty container by shaking and tapping sides and bottom to loosen clinging particles promptly after emptying. Then, offer for recycling if available, or reconditioning if appropriate, or puncture and dispose of container in a sanitary landfill, or by other procedures approved by state and local authorities. 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 flow begins to drip. Fill the container 1/4 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 two more times. Then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill or by incineration. 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:** Not regulated for domestic ground transport by U.S. DOT

**ICAO/IATA SHIPPING NAME:** UN3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Flumiclorac pentyl), 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. 151

**IMDG SHIPPING NAME:** UN3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Flumiclorac pentyl), 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  
•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: WARNING**

- *Causes substantial but temporary eye injury*
- *Causes skin irritation*
- *Harmful if swallowed or absorbed through skin.*
- *Do not get in eyes, on skin or on clothing*
- *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):** 102 gallons (naphthalene RQ = 100 lb)

**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.

**2-methylnaphthalene**

NJ Right To Know 4200

**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

**1-methylnaphthalene**

MA Right To Know Present  
 NJ Right To Know 4199  
 PA Right To Know Present

**2-Ethyl hexanol**

MA Right To Know Present  
 PA Right To Know Present

**Propylene glycol**

NJ Right To Know 3595  
 PA Right To Know Present  
 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.:** 0034  
**EPA REGISTRATION NUMBER:** 59639-82  
**REVISION NUMBER:** 3  
**REVISION DATE:** 09/08/2020  
**SUPERCEDES DATE:** 07/09/2015  
**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.

2020 Valent U.S.A. LLC