

Mauler Herbicide



Safety Data Sheet - GHS

1. IDENTIFICATION: CHEMICAL PRODUCT AND COMPANY

PRODUCT NAME: Mauler Herbicide
EPA REGISTRATION NUMBER: 70506-68-59639
PRODUCT CODE: 89000
PRODUCT DESCRIPTION: 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

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 Certain sections of this SDS are superseded by federal law under EPA FIFRA for a registered pesticide.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 4 |
| Acute toxicity - Dermal | Category 4 |
| Acute toxicity - Inhalation (Vapors) | Category 2 |

Label elements

EMERGENCY OVERVIEW

Danger



Hazard statements

Harmful if swallowed
Harmful in contact with skin

Emergency Telephone: (800) 892-0099
REVISION NUMBER: 2

SDS NO.: 0535
REVISION DATE: 09/04/2020

Fatal if inhaled

Precautionary statements

Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Do not breathe dust/fume/gas/mist/vapors/spray
 Wear protective gloves/protective clothing/eye protection/face protection
 Use only outdoors or in a well-ventilated area
 Wear respiratory protection

Response

Call a POISON CENTER or doctor/physician if you feel unwell

Eyes None.

Skin IF ON SKIN: Gently wash with plenty of soap and water. Wash contaminated clothing before reuse.

Inhalation IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Ingestion IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

FIRE None.

Spill None.

Storage

Store in a well-ventilated place. Keep container tightly closed
 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.
- <5% of the mixture consists of ingredient(s) of unknown toxicity

For information on Transportation requirements, see Section 14.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No. | Weight-% | TRADE SECRET |
|---------------|---------------|----------|--------------|
| Metribuzin | 21087-64-9 | 41 | |
| Others | VARIOUS CAS#S | 59 | |

* 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.

Emergency Telephone: (800) 892-0099
 REVISION NUMBER: 2

SDS NO.: 0535
 REVISION DATE: 09/04/2020

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:

Treat the patient symptomatically. Symptoms of Poisoning: The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by breathing difficulties and sedation.

5. FIRE FIGHTING MEASURES

| | |
|-----------------------------|--|
| Flash point °C | > 100 °C |
| Flash point °F | > 212 °F |
| EXTINGUISHING MEDIA: | Water, Foam or CO ₂ |
| | Unsuitable Extinguishing Media: None known |

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.

FIRE FIGHTING INSTRUCTIONS: Use personal protective equipment. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition can lead to release of irritating gases and vapors Oxides of carbon, oxides of nitrogen, hydrogen cyanide (HCN), oxides of sulfur,

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, Protective Equipment and Emergency Procedures:

Avoid contact with eyes and skin. Do not touch containers or spilled material unless wearing proper PPE. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Methods and Materials for Containment and Cleaning Up:

Stop the flow of material, if this is without risk. Dike ahead of liquid spill to prevent entering storm drains. Absorb spill with inert material. Collect material in appropriate container for disposal. Wash contaminated areas with soap and water.

Environmental Precautions: Avoid release to the environment.

Methods for cleaning up - In case of spill, soak it up immediately with suitable absorbent, such as sawdust or granular absorbent clay, and transfer collected materials to heavy-duty plastic drums and keep them for safe disposal. DO NOT WASH RESIDUES INTO DRAINS OR OTHER WATERWAYS.

7. HANDLING AND STORAGE

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

HANDLING:

WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT, OR DRINK, OR APPLY COSMETICS IN WORK AREA! Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, or using the toilet. Wear personal protective equipment when handling this product. 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:

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. Store in a well-ventilated place without drain or sewer access. 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.

General Hygiene Considerations:

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection

EYES & FACE: Use eye protection to avoid eye contact. Use safety glasses with side-shields or goggles. Where there is a potential for eye contact, eye-wash facilities should be available.

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. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

SKIN & HAND PROTECTION: Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including long pants, long-sleeved shirt and shoes plus socks, and chemical-resistant gloves. Remove contaminated clothing. Wash before reuse.

EXPOSURE LIMITS

| Chemical name | ACGIH Exposure Limits | OSHA Exposure Limits | Manufacturer's Exposure Limits |
|---------------|--------------------------|------------------------------------|--------------------------------|
| Metribuzin | TWA: 5 mg/m ³ | (vacated) TWA: 5 mg/m ³ | None |
| Others | None | None | None |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-----------------------|-----------|-----------------------|--------------------------|
| Physical state | Liquid | Odor | Slight |
| Appearance | Viscous | Odor threshold | No information available |
| Color | Off-white | | |

| PROPERTIES | Values | Remarks • Method |
|-------------------------------------|--------------------------------|-------------------------|
| pH | 7.37 | |
| Melting point/freezing point | 8.37° C | |
| Boiling point/boiling range | No information available | |
| Flash point | > 100 °C > 212 °F | |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limits in Air | | |
| Upper flammability limits | No information available | |
| Lower flammability limit | No information available | |
| Vapor pressure | No information available | |
| Vapor density | No information available | |
| Specific Gravity | 1.16 g/cm ³ @ 20° C | |
| Water solubility | No information available | |
| 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 | No information available | |
| Oxidizing properties | No information available | |
| Liquid Density | No information available | |
| 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.

Hazardous polymerization

Will not occur.

Conditions to avoid

Sustained temperatures above 100 F.

Incompatible materials

Emergency Telephone: (800) 892-0099
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Strong oxidizing agents.

Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx). Hydrogen cyanide. oxides of sulfur.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

| | | | |
|---|------------------|------------------|----------------|
| Oral Toxicity LD ₅₀ (rats) | 1871 mg/kg | EPA Tox Category | III |
| Dermal Toxicity LD ₅₀ (rabbits) | > 2000 mg/kg | EPA Tox Category | III |
| Inhalation Toxicity LC ₅₀ (rats) | 1.881 mg/L (4 h) | EPA Tox Category | III |
| Eye Irritation (rabbits) | Non-irritating | EPA Tox Category | IV |
| Skin Irritation (rabbits) | Non-irritating | EPA Tox Category | IV |
| Skin Sensitization (guinea pigs) | Non-sensitizer | EPA Tox Category | Not applicable |

CARCINOGEN CLASSIFICATION

| Chemical name | IARC Group 1 or 2 | OSHA - Select Carcinogens | NTP Carcinogen List |
|---------------|-------------------|---------------------------|---------------------|
| Metribuzin | Not listed | Not listed | Not listed |
| Others | Not listed | Not listed | Not listed |

TOXICITY OF METRIBUZIN TECHNICAL:

SUBCHRONIC: No data available

CHRONIC/CARCINOGENICITY: No data available

REPRODUCTION: No data available

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

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.

OTHER ENVIRONMENTAL INFORMATION:

MATERIAL DOES NOT BIOACCUMULATE

13. DISPOSAL CONSIDERATIONS

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

PRODUCT DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes 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.

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

EMERGENCY RESPONSE

GUIDEBOOK NO.: n/a

ICAO/IATA SHIPPING NAME: UN3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Metribuzin), 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. (Metribuzin), 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: CAUTION

- *Harmful if swallowed or absorbed through skin.*
- *Avoid contact with eyes or 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.

Metribuzin

SARA 313 Chemicals

1.0% de minimis concentration

SARA (311, 312):

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

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.

Metribuzin

| | |
|------------------------|---------|
| MA Right To Know | Present |
| NJ Right To Know | 1302 |
| PA Right To Know | Present |
| 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.: | 0535 |
| EPA REGISTRATION NUMBER: | 70506-68-59639 |
| REVISION NUMBER: | 2 |
| REVISION DATE: | 09/04/2020 |
| SUPERCEDES DATE: | 12/22/2017 |
| RESPONSIBLE PERSON(S): | Valent U.S.A. LLC, Corporate EH&S, (925) 256-2803 |

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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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