



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
US OSHA Hazard Communication Standard (29 CFR 1910.1200)

## Fierce® MTZ Herbicide

Safety data sheet number 0523

Revision Number 10

Revision date 13-May-2025

### 1. Identification

#### Product identifier

Product Name Fierce® MTZ Herbicide  
Synonym(s): V-10448 2.64 SC Herbicide  
Registration Number(s) 59639-236  
  
VC Number 2030, 2099, 2196, 2198, 2199

#### Recommended use of the chemical and restrictions on use

Recommended use Herbicide  
  
Restrictions on use No information available  
  
UN number or ID number UN3082

#### Other means of identification

#### Details of the supplier of the safety data sheet

##### Manufacturer Address

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

#### Emergency telephone number

Emergency Telephone HEALTH EMERGENCY (24 hr):(800) 892-0099  
TRANSPORTATION (24 hr.):  
US Transportation: CHEMTREC (800) 424-9300  
International Transportation: (703) 741-5970

### 2. Hazard(s) identification

#### Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Reproductive toxicity	Category 2

Skin Corrosion/Irritation	Category 3
Eye Damage /Irritation	Category 2B
Short-Term (acute) Aquatic Hazard	Category 1
Long- Term (Chronic) Aquatic Hazard	Category 1

**Hazards not otherwise classified (HNOC)**

Not applicable

**Label elements**



**WARNING**

**Hazard Statements**

Harmful if swallowed.

Harmful if inhaled.

Suspected of damaging fertility or the unborn child.

Causes mild skin irritation.

Causes eye irritation.

Very toxic to aquatic life with short and long term effects,

**Precautionary Statements - Prevention**

Obtain, read and follow all safety instructions before use.

Wear protective gloves/protective clothing/eye protection.

Wash 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.

**Precautionary Statements – Response**

IF EXPOSED OR CONCERNED: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF SWALLOWED: Get medical help. Rinse mouth. If skin irritation occurs: Get medical attention.

IF IN EYE: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical help.

**Precautionary Statements - Storage**

Store locked up.

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local/regional/national regulations.

**Other information**

None.

### 3. Composition/information on ingredients

#### Substance

Not applicable.

#### Mixture

Chemical name	CAS No.	Weight-%	Trade secret
Flumioxazin	103361-09-7	5.29	
Pyroxasulfone	447399-55-5	6.76	
Metribuzin	21087-64-9	15.86	
Other ingredients*	Various CAS#s	72.09	

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

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

#### Description of first aid measures

<b>Eye contact</b>	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.
<b>Skin contact</b>	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.
<b>Ingestion</b>	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.
<b>Inhalation</b>	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.
<b>Note to physicians</b>	Treat symptomatically and supportively.

### 5. Fire-fighting measures

<b>Flash point °C</b>	Not determined.
<b>Flash point °F</b>	Not determined.
<b>Autoignition</b>	Not determined.
<b>Extinguishing media</b>	Dry chemical powder, carbon dioxide, water spray Do NOT use water jet or straight streams
<b>Fire fighting instructions</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear. Prevent extinguishing media run off from entering drains, sewers, and bodies of water.

**Hazardous decomposition products** Under fire conditions some components of this product may decompose. The smoke may

contain unidentified toxic and/or irritating compounds. Keep people away. Isolate fire area and deny unnecessary entry.

## 6. Accidental release measures

### Methods and material for containment and cleaning up

Methods for containment	Avoid runoff into storm sewers and ditches which lead to waterways. Contain spilled liquids with dry sorbents. Keep well ventilated. Wear proper personal protective equipment.
Methods for cleaning up	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. Prevent wash water from entering surface water or drains. Wear proper personal protective equipment.

## 7. Handling and storage

### Precautions for safe handling

Advice on safe handling	Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. 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.
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### Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep in original container. Store in cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not contaminate water, food or feed by storage or disposal. Do not store or transport near food or feed. Not for use or storage in or around the home..
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## 8. Exposure controls/personal protection

### Control parameters

Exposure Limits	The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.
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Chemical name	ACGIH TLV	OSHA PEL	US WEEL
Metribuzin Technical (CAS No. 21087-64-9)	TWA: 5 mg/m <sup>3</sup>	(vacated) TWA: 5 mg/m <sup>3</sup>	-
Lignin, alkali, reaction products with formaldehyde and sodium bisulfite (CAS No. 68512-35-6)	TWA: 10 mg/m <sup>3</sup> , (Inhalable) 8 hours.	TWA: 15 mg/m <sup>3</sup> , (Total dust) 8 hours.	-
Methyl acetate (CAS No. 79-20-9)	200 ppm TWA 250 ppm STEL	200 ppm TWA 610 mg/m <sup>3</sup> TWA	-
Methyl alcohol (CAS No. 67-56-1)	200 ppm TWA	200 ppm TWA ;	-

	250 ppm STEL	260 mg/m3 TWA	
Propylene glycol	-	-	10 mg/m3 TWA
Glycerin (CAS No. 56-81-5)	-	5 mg/m3 TWA mist, respirable fraction 10 mg/m3 TWA mist, total particulate	-
Octamethylcyclotetrasiloxane (CAS No. 556-67-2)	-	-	10 ppm TWA
Sodium Hydroxide (CAS No. 1310-73-2)	2 mg/m3	2 mg/m3 OSHA-TRANS, Z1A	-

### Appropriate engineering controls

**Engineering controls** When handlers use closed systems in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides[40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Do not get this material in your eyes. Eye contact can be avoided by wearing protective eyewear.

**Skin and hand protection** Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks and chemical-resistant gloves made of any waterproof material. 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.

**Respiratory protection** Not usually required. Use this material in a well-ventilated area. If necessary, use a NIOSH approved air purifying respirator with a dust-mist filter / organic vapor cartridge combination.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

**Physical state** Liquid  
**Appearance** Opaque off-white liquid  
**Color** Opaque off-white  
**Odor** Moderately strong  
**Odor threshold** No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	6.0 - 8.0 @ 25 °C (1% dilution)	None known
<b>pH (as aqueous solution)</b>		None known
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	No data available	None known
<b>Flash point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability</b>	No data available	None known

<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Relative vapor density</b>	No data available	None known
<b>Relative density</b>	No data available	None known
<b>Water solubility</b>	Miscible in water	None known
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>		None known
<b>Viscosity</b>	34.7 cP @ 20° C 19.4 cP @ 40° C	None known

#### Other information

<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available
<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC content</b>	No information available
<b>Liquid Density</b>	1.12-1.13 g/mL
<b>Bulk density</b>	No information available

### 10. Stability and reactivity

<b>Reactivity</b>	No data available.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatible materials</b>	None known based on information supplied.
<b>Hazardous decomposition products</b>	None known based on information supplied.

### 11. Toxicological information

#### ACUTE TOXICITY:

The following information is for this product formulation unless noted differently.

Oral Toxicity LD 50 (rats)	1,750 mg/kg	EPA Tox Category	III
Dermal Toxicity LD 50 (rats)	> 5,000 mg/kg	EPA Tox Category	IV
Inhalation Toxicity LC 50 (rats)	> 2.15 mg/L (4 h)	EPA Tox Category	IV
Eye Irritation (rabbits)	Minimally irritating	EPA Tox Category	IV
Skin Irritation (rabbits)	Slightly irritating	EPA Tox Category	IV
Skin Sensitization (guinea pigs)	Non-sensitizer	EPA Tox Category	Not applicable

#### FLUMIOXAZIN TECHNICAL:

CHRONIC/CARCINOGENICITY: Flumioxazin was not carcinogenic in lifetime feeding studies in rats or mice. The NOAEL following chronic administration by capsule in dog was 10 mg/kg bw/d. NOAELs following chronic administration by feed in rats and mice were 50 ppm and 300 ppm.

DEVELOPMENTAL TOXICITY: Flumioxazin Technical produces developmental toxicity in rats in the absence of maternal toxicity at doses of 30 mg/kg bw/day by the oral route and 300 mg/kg bw/day by the dermal route. No developmental toxicity was noted in rabbits at doses up to 3000 mg/kg bw/day, a dose well above the maternal NOEL of 1000 mg/kg bw/day. Mechanistic studies indicate that the effects seen in the rat are highly unlikely to occur in the human and that flumioxazin would not be a developmental toxicant in the human.

REPRODUCTION: Reproductive toxicity was observed in F1 males, P1 females and F1 females at 300 ppm Flumioxazin Technical, the highest dose tested and a dose that also produced signs of systemic toxicity. Toxicity was also observed in the F1 and F2 offspring at doses of 200 ppm and greater.

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

#### PYROXASULFONE TECHNICAL:

CHRONIC/CARCINOGENICITY: Pyroxasulfone was not carcinogenic in lifetime feeding studies in mice. Pyroxasulfone produced an increased incidence of urinary bladder transitional cell papillomas in male rats in a two-year carcinogenicity study. The tumors seen with Pyroxasulfone were caused through a non-genotoxic mechanism, which is not relevant at low doses.

REPRODUCTION: Pyroxasulfone did not produce effects on fertility or the embryo at the dosage of which general toxicity to parental animals was observed.

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

#### METRIBUZIN TECHNICAL:

CHRONIC/CARCINOGENICITY: Metribuzin was not carcinogenic in lifetime feeding studies in rats or mice. NOAELs following chronic administration by feed in rats and dogs were 30 ppm and 100 ppm.

DEVELOPMENTAL TOXICITY: Metribuzin caused developmental toxicity only at dose levels toxic to the dams. The NOAELs for developmental toxicity were 70 mg/kg bw/d and 15 mg/kg bw/d in rats and rabbits, respectively.

REPRODUCTION: Metribuzin caused reproductive toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The NOAEL for reproductive toxicity in rats was 37.5 mg/kg bw/d.

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

## 12. ECOLOGICAL INFORMATION

#### FLUMIOXAZIN TECHNICAL:

Oral LD50 Bobwhite Quail: greater than 2,250 ppm  
Dietary LC50 Bobwhite Quail: greater than 5,620 ppm  
Dietary LC50 Mallard Duck: greater than 5,620 ppm

96-hour LC50 Rainbow Trout: 2.3 mg/L  
96-hour LC50 Bluegill Sunfish: > 21 mg/L  
96-hour LC50 Sheepshead Minnow: > 4.7 mg/L  
48-hour LC50 Daphnia magna: > 5.5 mg/L  
96-hour (shell deposition) EC50 Eastern Oyster: 2.4 mg/L  
96-hour LC50 Mysid Shrimp: 0.23 mg/L  
Fish early life-stage (Rainbow Trout): NOEC >7.7 µg/L, <16 µg/L  
Chronic toxicity (Mysid Shrimp): NOEC >15 µg/L, <27 µg/L  
Chronic toxicity (Daphnia magna): NOEC > 28 µg/L, < 57 µg/L  
5-day EC50 Green Algae: 1.02 µg/L  
5-day EC50 diatom (Navicula pelliculosa): 1.4 µg /L  
5-day EC50 diatom (Skeletonema costatum): 19.2 µg /L  
14-day EC50 Duckweed (Lemna gibba): 0.49 µg/L

Honeybee 48-hour contact LD50: > 105 µg/bee

#### **PYROXASULFONE TECHNICAL:**

Oral LD50 Bobwhite Quail: > 2,250 ppm  
Oral LC50 Zebra Finch: > 2,250 ppm  
Dietary LC50 Bobwhite Quail: > 5,620 ppm  
Dietary LC50 Mallard Duck: > 5,620 ppm

96-hour LC50 Rainbow Trout: > 2.2 mg/L  
96-hour LC50 Bluegill Sunfish: > 2.8 mg/L  
96-hour LC50 Sheepshead Minnow: > 3.3 mg/L  
48-hour EC50 Daphnia magna: > 4.4 mg/L  
96-hour (shell deposition) EC50 Eastern Oyster: 3.6 mg/L  
96-hour LC50 Mysid Shrimp: 1.4 mg/L  
Fish early life-stage (Fathead Minnow): NOEC >2.0 mg/L, <3.9 mg/L  
Chronic toxicity (Daphnia magna): NOEC > 1.9 mg/L  
96-hour EC50 Green Algae: 0.38 µg/L  
96-hour EC50 diatom (Navicula pelliculosa): > 3.2 mg/L  
96-hour EC50 diatom (Skeletonema costatum): 0.66 mg/L  
7-day EC50 Duckweed (Lemna gibba): 6.0 µg/L

Honeybee 48-hour contact LD50: > 100 µg/bee

#### **METRIBUZIN TECHNICAL:**

Oral LD50 Bobwhite Quail: 169.2 ppm  
Oral LD50 Mallard Duck: > 4,000 ppm  
Dietary LC50 Bobwhite Quail: > 5,000 ppm



96-hour LC50 Rainbow Trout: 42 mg/L  
96-hour LC50 Bluegill Sunfish: 65.7 mg/L  
96-hour LC50 Sheepshead Minnow: 85 mg/L  
48-hour LC50 Daphnia magna: 4.2 mg/L  
96-hour (shell deposition) EC50 Eastern Oyster: 40.7 mg/L  
Fish early life-stage (Rainbow Trout): NOEC >3.0 mg/L  
Chronic toxicity (Daphnia magna): NOEC >1.29 mg/L, < 2.62 mg/L  
96-hour EC50 Green Algae: 7.9 µg/L  
96-hour EC50 diatom (Navicula pelliculosa): 11.9 µg /L  
96-hour EC50 diatom (Skeletonema costatum): 9.0 µg /L  
14-day EC50 Duckweed (Lemna gibba): 18 µg/L

#### OTHER ENVIRONMENTAL INFORMATION:

This product is toxic to non-target plants and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below mean high water mark. Do not apply where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

### 13. DISPOSAL CONSIDERATIONS

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. (Flumioxazin, 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. (Flumioxazin, 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

### 15. REGULATORY INFORMATION

#### EPA-FIFRA LABEL INFORMATION

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**
- **Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.**
- **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.

### Metribuzin

SARA 313 Chemicals 1.0% de minimis concentration

#### 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.

### State Right to Know

#### New Jersey Right to Know

Ammonium sulfate	CAS No. 7783-20-2
Methyl acetate	CAS No. 79-20-9
Methyl alcohol	CAS No. 67-56-1
Propylene glycol	CAS No. 57-55-6

#### Pennsylvania Right to Know

Ammonium sulfate	CAS No. 7783-20-2
Methyl acetate	CAS No. 79-20-9
Methyl alcohol	CAS No. 67-56-1
Propylene glycol	CAS No. 57-55-6

#### Massachusetts Right to Know

Ammonium sulfate	CAS No. 7783-20-2
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Methyl acetate	CAS No. 79-20-9
Methyl alcohol	CAS No. 67-56-1

#### California Prop. 65

**WARNING! This product contains a chemical known to the State of California to cause cancer.**

Ethylene oxide	CAS No.75-21-8
Methyloxirane	CAS No.75-56-9
1,4-dioxane	CAS No.123-91-1

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

## 16. Other information

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Legend Section 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation
+	Sensitizers		

### **Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
Environmental Protection Agency  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Revision date** 13-February-2025  
**Revision Note** Updates to section 3

### **Disclaimer**

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.

**End of Safety Data Sheet**

## United States of America

### US SDS version information - AGHS

UL release:  
GHS Revision 3  
2023 Q3

United States of America

Full process, including GHS and Transportation Wizards