

Material Safety Data Sheet

PiperTM Herbicide

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PiperTM Herbicide

VC NUMBER(S): 1868

EPA REGISTRATION NUMBER: 63588-93-59639

PRODUCT DESCRIPTION: Herbicide

MANUFACTURER/DISTRIBUTOR

VALENT U.S.A. CORPORATION P.O. Box 8025

1600 Riviera Avenue, Suite 200 Walnut Creek, CA 94596-8025 **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

PROFESSIONAL PRODUCTS: (800) 898-2536

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION

- · Harmful if inhaled or absorbed through skin
- · Causes moderate eye irritation
- · Moderately irritating to the skin
- Avoid breathing dust or spray mist
- · Avoid contact with eyes, skin and clothing
- · Keep out of reach of children.

POTENTIAL HEALTH EFFECTS

Acute Toxicity (Primary Routes of Exposure): None known

Acute Eye Contact: Causes moderate eye irritation.

Acute Skin Contact: This product may cause moderate skin irritation. The expected adverse health effects resulting from an exposure may include redness and possibly some minor swelling.

Acute Ingestion: This product is minimally toxic when ingested.

Acute Inhalation: This product is slightly toxic when inhaled. Exposure to high concentrations of dust may result in respiratory irritation. Signs and symptoms may include, but not be limited to, nasal discharge, sore throat, coughing and difficulty in breathing.

Page 2 of 10

Chronic Toxicity (including cancer): Repeated exposures to Flumioxazin Technical in animals have produced anemia and other blood formation changes, organ weight changes and changes in blood chemistry. Flumioxazin Technical did not produce cancer in life-time feeding studies in laboratory animals.

Repeated exposure to Pyroxasulfone Technical in animals have produced effects to various organs including the liver, kidney, urinary bladder and cardiovascular system. Pyroxasulfone produced urinary bladder papillomas in male rats.

Developmental Toxicity (birth defects): Birth defects were produced in the offspring of female rats exposed to Flumioxazin Technical. No effects were observed in rabbits.

Reproductive Toxicity: Reproductive effects were observed in rats exposed to Flumioxazin Technical.

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

Signs and Symptoms of Systemic Effects: No signs or symptoms occured in animals exposed to high oral or dermal doses of Flumioxazin Technical. Exposure to very high concentrations of Flumioxazin Technical in the air resulted in breathing difficulties, decreased activity and some changes in the tissues of the respiratory system.

Potentially Aggravated Medical Conditions: Individuals with anemia or preexisting diseases of the blood may have increased susceptibility to the toxicity of excessive exposures.

For complete discussion of the toxicology data from which this evaluation was made, refer to Section 11. For Ecotox/Environmental Information, refer to Section 12. For Regulatory Information, refer to Section 15.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight/ Percent	Purpose
Flumioxazin (2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydr o-1H-isoindole-1,3(2H)-dione)	103361-09-7	32.5 - 34.5	Active Ingredient
Pyroxasulfone, (3-[[[5-(difluoromethoxy)-1-methyl-3-(trifluor o-methyl)-1H-pyrazol-4-yl]methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole)	447399-55-5	41.8 - 44.4	Active Ingredient
Hydrated Amorphous Silica	112926-00-8	0.45 - 0.55	Flow aid
Other ingredients	Various CAS#s	21 - 26	Other Ingredients

Other ingredients, which are 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.

PiperTM Herbicide

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 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:

None

5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam, or water.

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: 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: Not determined

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 OR LEAKS:

CONTAINMENT: Reduce airborne dust. Avoid runoff into storm sewers or other bodies of water. Keep well ventilated. Wear proper personal protective equipment.

Page 4 of 10

CLEANUP: Clean up spill immediately. Vacuum or sweep up material and 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

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

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.

STORAGE:

Store in cool, dry, secure place. Keep in original continer. Avoid contamination of feed and foodstuffs. Not for use or storage in or around the home. Do not store or transport near food or feed. Do not put concentrate into food or drink containers. Do not dilute concentrate in food or drink containers.

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 protective eyewear.

RESPIRATORY PROTECTION: Not usually required. Use this material in a well ventilated area. If necessary, use an air purifying respirator with a dust-mist/organic vapor cartridge combination.

SKIN & 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.

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.

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, was thoroughly and change into clean clothing.

EXPOSURE LIMITS

Chemical Name	ACGIH Exposure Limits	OSHA Exposure Limits	Manufacturer's Exposure Limits	
Flumioxazin (2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydr o-1H-isoindole-1,3(2H)-dione)		None	None	
Pyroxasulfone, (3-[[[5-(difluoromethoxy)-1-methyl-3-(trifluor o-methyl)-1H-pyrazol-4-yl]methyl]sulfonyl]-4 ,5-dihydro-5,5-dimethylisoxazole)		None	None	
Hydrated Amorphous Silica	10 mg/m³ (total amorphous dust); 3 mg/m³ (respirable nuisance particulate)	6 mg/m³ (total dust)	None	
Other ingredients	None	None	None	

Page 5 of 10

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:

COLOR:

Dark brown

Chocolate, Coffee

FLASH POINT:

BULK DENSITY:

Granule

Dark brown

Chocolate, Coffee

Not applicable

42.4 lb/cu.ft.

pH: 6.7 (1% suspension)

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable at normal temperatures and storage conditions in

closed original package.

OXIDATION/REDUCTION PROPERTIES: No data available

EXPLODABILITY: Not expected to be explosive

HAZARDOUS DECOMPOSITION PRODUCTS: Not determined HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

The following information is for a similar product.

Oral Toxicity LD 50 (rats) > 5,000 mg/kg (female) **EPA Tox Category** IV Dermal Toxicity LD 50 (rats) > 5,000 mg/kg**EPA Tox Category** IV Inhalation Toxicity LC 50 (rats) > 2.04 mg/L **EPA Tox Category** IV Eye Irritation (rabbits) Ш Moderately irritating **EPA Tox Category** Skin Irritation (rabbits) Slightly irritating **EPA Tox Category** Ш

Skin Sensitization (guinea pigs)

Not a contact sensitizer.

EPA Tox Category

Not applicable

CARCINOGEN CLASSIFICATION

Chemical Name	IARC - Group 1 (carcinogenic to humans)	IARC - Group 2A (Probably carcinogenic)	IARC - Group 2B (Possibly carcinogenic)	NTP Carcinogen List
Flumioxazin (2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-p ropynyl)-2H-1,4-benzoxazin-6-yl]-4, 5,6,7-tetrahydro-1H-isoindole-1,3(2 H)-dione)	no	no	no	Not listed
Pyroxasulfone, (3-[[[5-(difluoromethoxy)-1-methyl-3- (trifluoro-methyl)-1H-pyrazol-4-yl]me thyl]sulfonyl]-4,5-dihydro-5,5-dimeth ylisoxazole)	No	No	No	Not listed
Hydrated Amorphous Silica	No	No	No	Not listed
Other ingredients	No	No	No	Not listed

Page 6 of 10

TOXICITY OF FLUMIOXAZIN TECHNICAL

SUBCHRONIC: Compound related effects of Flumioxazin Technical noted in rats following subchronic exposures at high dose levels were hematotoxicity including anemia, and increases in liver, spleen, heart, kidney and thyroid weights. In dogs, the effects produced at high dose levels included a slight prolongation in activated partial thromboplastin time, increased cholesterol and phospholipid, elevated alkaline phosphatase, increased liver weights and histological changes in the liver. The lowest no-observable-effect-level (NOEL) in subchronic studies was 30 ppm in the three-month toxicity study in rats.

CHRONIC/CARCINOGENICITY: In a one year dog feeding study, Flumioxazin Technical produced treatment-related changes in blood chemistry and increased liver weights at 100 and 1000 mg/kg/day. Minimal treatment-related histological changes were noted in the livers of animals in the 1000 mg/kg/day group. Based on these data the NOEL is 10 mg/kg/day. Dietary administration of Flumioxazin Technical for 18 months produced liver changes in mice of the 3000 and 7000 ppm groups. There was no evidence of any treatment-related oncogenic effect. The NOEL for this study is 300 ppm. Dietary administration of Flumioxazin Technical for 24 months produced anemia and chronic nephropathy in rats of the 500 and 1000 ppm groups. The anemia lasted throughout the treatment period, however, it was not progressive nor aplastic in nature. No evidence of an oncogenic effect was observed. The NOEL for this study is 50 ppm.

DEVELOPMENTAL TOXICITY: Flumioxazin Technical produces developmental toxicity in rats in the absence of maternal toxicity at doses of 30 mg/kg/day by the oral route and 300 mg/kg/day by the dermal route. The developmental effects noted consisted primarily of decreased number of live fetuses and fetal weights, cardiovascular abnormalities, wavy ribs and decreased number of ossified sacrococcygeal vertebral bodies. The developmental NOEL in the rat oral and dermal developmental toxicity studies were 10 and 100 mg/kg/day, respectively. The response in rabbits was very different from that in rats. No developmental toxicity was noted in rabbits at doses up to 3000 mg/kg/day, a dose well above the maternal NOEL of 1000 mg/kg/day.

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 Technical was not mutagenic in most in vitro assays: gene mutation and a chromosome aberration assay in the absence of metabolic activation. In three in vivo assays, chromosome aberration, unscheduled DNA synthesis and micronucleus assay, Flumioxazin Technical was not mutagenic. The only positive response was observed in the *in vitro* chromosome aberration assay in the presence of metabolic activation. Overall, Flumioxazin Technical does not present a genetic hazard.

TOXICITY OF PYROXASULFONE TECHNICAL

SUBCHRONIC: Pyroxasulfone related effects include increased AST, slight liver and kidney weight increases, increased cardiomyopathy, centrilobular hepatocellular hypertrophy and hyperplastic urinary bladder mucosa. The NOAEL in rats was 50 ppm. No neurotoxicity was observed at acute doses to rats as high as 2000 mg/kg.

CHRONIC/CARCINOGENICITY: Pyroxasulfone produced an increased incidence of urinary bladder transitional cell papillomas in male rats in a two-year carcinogenicity study.

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 is not mutagenic according to results for an in vitro reverse mutation test, chromosomal aberration test and in vivo mouse bone marrow miconucleus test.

Emergency Telephone: (800) 892-0099 MSDS NO.: **REVISION DATE:** 02/24/2012

Page 7 of 10 PiperTM Herbicide

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.

ECOLOGICAL INFORMATION 12.

AVIAN TOXICITY:

Based upon EPA designation, Flumioxazin Technical is practically non-toxic to avian species. The following results were obtained from studies with Flumioxazin Technical:

Oral LD 50 bobwhite quail: greater than 2250 mg/kg Dietary LC 50 bobwhite quail: greater than 5620 ppm Dietary LC 50 mallard duck: greater than 5620 ppm.

Flumioxazin Technical in the diet. In mallard ducks, a slight, but not statistically significant reduction in hatchlings and 14-day old survivors was observed. Based on a possible, slight effect on egg production at 500 ppm, the NOEL for this study was 250 ppm.

The following results were obtained from studies with Pyroxasulfone Technical:

LD 50 bobwhite quail: greater than 2250 mg/kg

AQUATIC ORGANISM TOXICITY: Based upon EPA designation, Flumioxazin Technical is slightly to moderately toxic to freshwater fish; moderately toxic to freshwater invertebrates; moderately toxic to estuarine/marine fish and moderately to highly toxic to estuarine/marine invertebrates, based on the following tests:

96-hour LC 50 rainbow trout: 2.3 mg/L

96-hour LC 50 bluegill sunfish: greater than 21 mg/L

48-hour LC 50 Daphnia magna: greater than 5.5 mg/L

96-hour LC 50 sheepshead minnow: greater than 4.7 mg/L

96-hour (shell deposition) EC 50 eastern oyster: 2.8 mg/L

96-hour LC 50 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 >52 µg/L, <99 µg/L.

Pyroxasulfone Technical is very toxic to aquatic organisms; special attention should be given to aquatic plants. Based upon EPA designation, the following test results are based on Pyroxasulfone Technical:

96-hour LC 50 rainbow trout: greater than 2.2 mg/L

96-hour LC 50 bluegill: greater than 2.8 mg/L

48-hour LC 50 Daphnia magna: greater than 4.4 mg/L

96-hour LC 50 sheepshead minnow: greater than 3.3 mg/L

96-hour EC 50 algae = 0.00038 mg/L

7-day EC 50 Spirodela polyrhiza = 0.0055 mg/L

14-day LC 50 Earthworm = 997 mg/kg

OTHER NON-TARGET **ORGANISM TOXICITY:**

Flumioxazin Technical is practically non-toxic to bees. The acute contact LC50 in

bees was greater than 105 µg/bee.

Pyroxasulfone Technical is practically non-toxic to bees. The acute contact

(48-hour) LD50 in bees was greater than 100 μg/bee.

Emergency Telephone: (800) 892-0099 MSDS NO.: 0433 **REVISION DATE: REVISION NUMBER:** 02/24/2012

Page 8 of 10

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**

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.

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 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 2 more times.

DISPOSAL METHODS: Check government regulations and local authorities for approved disposal of this material. Dispose in accordance with applicable laws and regulations.

14. TRANSPORT INFORMATION

Not applicable **UN/NA NUMBER:**

Herbicide, solid, non-regulated **DOT (ground) SHIPPING NAME:**

TECHNICAL NAME (hazardous material): Not applicable **HAZARD CLASS:** Not applicable **PACKING GROUP:** Not applicable Not applicable **DOT REPORTABLE QUANTITY (RQ):**

REMARKS: None **EXEMPTION REQUIREMENT:** None

EMERGENCY RESPONSE GUIDEBOOK NO.: Not applicable

MARINE POLLUTANT: Yes. Not regulated by U.S. D.O.T. - see IMDG regulations

for ocean

UN 3077, Environmentally hazardous substance, solid, 9, ICAO/IATA:

III. Marine Pollutant

IMO/IMDG: UN 3077, Environmentally hazardous substance, solid, 9,

III, Marine Pollutant

15. REGULATORY INFORMATION

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.

Emergency Telephone: (800) 892-0099 MSDS NO.: 0433 02/24/2012

REVISION NUMBER:

REVISION DATE:

Page 9 of 10

02/24/2012

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.

SARA (311, 312):

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

STATE REGULATIONS:

Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list of all state regulations. Therefore, the user should consult state or local authorities. The state regulations reviewed include: California Proposition 65, California Directors List of Hazardous Substances, Massachusetts Right to Know, Michigan Critical Materials List, New Jersey Right to Know, Pennsylvania Right to Know, Rhode Island Right to Know and the Minnesota Hazardous Substance list. For Washington State Right to Know, see Section 8 for Exposure Limit information. For Louisiana Right to Know refer to SARA information listed under U.S. Regulations above. If no components or information is listed in the space below this paragraph, then none of the regulations reviewed are applicable.

Flumioxazin

(2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-d ione)

NJ Right To Know Listed

Hydrated Amorphous Silica

MA Right To Know Listed PA Right To Know Listed RI Right To Know Listed MN Hazardous Substance Listed

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

16. OTHER INFORMATION

Updated MSDS with new toxicology data. Edits in Section 2 and 11. Updated **REASON FOR ISSUE:**

Section 14.

0433 MSDS NO.:

EPA REGISTRATION NUMBER: 63588-93-59639

REVISION NUMBER: 2

REVISION DATE: 02/24/2012 SUPERCEDES DATE: February 17, 2012

RESPONSIBLE PERSON(S): Valent U.S.A. Corporation, Corporate EH&S, (925) 256-2803

Emergency Telephone: (800) 892-0099 MSDS NO.: 0433 **REVISION DATE:**

REVISION NUMBER:

PiperTM Herbicide

This Material Safety Data Sheet (MSDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABELING (attached to and accompanying the product container). This MSDS 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, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products is regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling. All necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.

The information in this MSDS is based on data available to us as of the revision date given herein, and believed to be correct. Contact Valent U.S.A. Corporaton to confirm if you have the most current MSDS.

Judgements as to the suitability of information herein for the individual's own use or purposes are necessarily the individual's own responsibility. Although reasonable care has been taken in the preparation of such information, Valent extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to the individual's purposes or the consequences of its use.

2012 Valent U.S.A. Corporation