

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Chaser ® Ultra

Synonyms and Chemical name: Dimethylamine salt of 2-methyl-4chlorophenoxy acid; Monoethanolamine salt of 3,6-dichloro-2-pyridinecarboxyl acid; Dimethylamine salt of (+)-R-2-(2,4-dichlorophenoxy) propionic acid

EPA Reg. No.: 228-372-65783

Company ID: United Horticultural Supply
419 18th Street
Greeley, CO 80631

Phone #s: Emergency Phone Number: **CHEMTREC 1-800-424-9300**
Medical Emergency Phone Number: **1-800-228-5635 extension 136**

Revisions: New product

MSDS Number: 000228372

Date: 05/22/00

Supersedes: New

2. COMPOSITION INFORMATION ON INGREDIENTS

| | | Percent by Weight | |
|------------------------------|---|-------------------|--------|
| Chemical Ingredients: | Active Ingredient: DMA salt of MCPA (CAS: 2039-46-5) | 47.70 % | |
| | MEA salt of clopyralid(CAS: 57254-85-5) | | 2.53 % |
| | DMA salt of dichlorprop-p(CAS: 53404-32-3) | 9.54 | |
| | Inert Ingredients: Water and sequesterents | 40.16% | |

See section 8 for

3. HAZARDS IDENTIFICATION

Emergency Overview: *This formulation is considered to cause irreversible eye damage and has a low toxicities. The most likely routes of entry are dermal, eyes and ingestion.*

Appearance & Odor: *This formulation is a dark amber liquid with a slight amine (ammonia) odor.*

Warning Statements: Avoid excessive heat and contact with strong oxidizers and acids.

Potential Adverse Health Effects: Repeated or prolonged overexposure to phenoxy herbicides may cause liver, kidney, gastrointestinal or muscular systems effects. The available evidence on MCPA indicates that it is not a carcinogen or mutagen. Pre-existing skin disorders may be aggravated by exposure. Exposure to mist may aggravate existing respiratory conditions.

Likely routes of Exposure: Dermal and Inhalation

Dermal Contact: This formulation maybe harmful if absorbed through the skin. Be sure to wear the proper protective equipment (PPE), see section 8.

Eye Contact: This formulation is corrosive and can cause irreversible eye damage, wear proper PPE, see section 8.

Inhalation Contact: Avoid inhaling vapors or mists. May irritate the respiratory tract or cause dizziness, wear proper PPE, see section 8.

Ingestion: Harmful if swallowed, see section 4 for first aid.

Potential Health Effects: The effects are nonspecific: muscle weakness, lethargy, loss of appetite, abdominal pains, headache or shortness of breath.

4. FIRST AID MEASURES

If on Skin: Remove all contaminated clothing. Wash skin, hair and fingernails thoroughly with soap and water. If irritation persists seek medical attention. Wash clothing before reuse.

If Inhaled: Remove to fresh air. If breathing is difficult, please administer oxygen. If breathing stops administer artificial respiration. Get medical attention immediately.

If Swallowed: Drink 1 to 2 glasses of water. Call a physician to get medical attention, the emergency telephone number is 1-800-228-5635 extension 136. NOTE TO PHYSICIAN: immediately administer activated charcoal, 6 to 8 teaspoons with water; immediate gastric lavage with a cuffed endotracheal tube maybe indicated.

If in eyes: Flush with running water for at least 15 minutes while holding open eyelids to help flush out material. If irritation persists, seek medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: Not applicable **Flammable Limits:** None established

Fire Extinguishing Media: Dry chemical, carbon dioxide, water fog or foam if available. Use water spray to cool closed containers.

Special Fire Fighting Procedures: May produce toxic and noxious fumes under extreme fire conditions. Wear self-contained breathing apparatus and acid resistant protective clothing.

Unusual Fire or Explosion Hazards: If water is used to fight fire, contain run-off, using dikes to prevent contamination of water supplies. Closed containers may explode when subjected to intense heat or fire due to internal pressure build-up. See section 15 for NFPA ratings.

6. ACCIDENTAL RELEASE MEASURES

Release or Spill: Contain spill, absorb with clay or other absorbent material; sweep up material and place in container for possible land application according to label use or for proper disposal. Check local, state and federal regulations for proper disposal.

7. HANDLING AND STORAGE

Caution should be exercised when handling this product at mixing, loading and disposal sites to prevent contamination of groundwater. Use of closed systems for mixing or transferring this product will reduce the probability of spills. Placement of mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

Always use original container to store pesticides and herbicides in a secured warehouse or storage building. Do not store near open containers of fertilizers, seeds or other pesticides. Store at temperatures above 32 °F. If allowed to freeze, remix before using. This does not alter this product. Containers should be opened in well-ventilated areas. Keep containers tightly sealed when not in use. Do not stack cardboard cases more than two pallets high. Do not contaminate water, food or feed by storage or disposal. See Section 8 for PPE.

Work Hygienic Practice: Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling, Remove contaminated clothing and wash before reuse.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment:

Eye Protection: Chemical goggles, face shield or shielded safety glasses.

Skin Protection: Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or impervious gloves.

Respiratory Protection: Respiratory protection is not normally required. Wear NIOSH/MSHA approved pesticide respirator when exposed to mist.

Ventilation: Not normally required. Work in well-ventilated areas. If vapors exceed the acceptable levels, Wear MSHA/NIOSH approved respirator with cartridges for pesticide vapors.

9. Physical and Chemical Properties

Appearance: Dark amber liquid **Odor:** Slight amine (ammonia) odor **Solubility:** Soluble in water

MATERIAL SAFETY DATA SHEET

Chaser Ò Ultra

Vapor Pressure: Equal to water Boiling Point(°F): >212 Specific gravity (water= 1): 1.153

Bulk Density: 9.6 lbs/gal pH: 7.5-8.5

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable **Conditions to Avoid:** Excessive heat or extreme cold

Incompatibility with Other Materials: Strong bases and oxidizers

Hazardous Decomposition Products: Oxides of nitrogen. Hydrogen chloride may be formed. Fluorine containing compounds and other hazardous materials may be formed in a fire situation. Oxides of carbon formed from combustion.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD50 (rat) > 1000 mg/kg **Acute Dermal LD 50 (rabbit)** > 2590l mg/kg

Acute Inhalation LC50 (rat) >2.8 mg/L(No mortality)

Eye Irritation: Corrosive, irreversible eye damage

Skin Irritation: Harmful if absorbed through skin

Inhalation: Avoid inhaling vapors or mists. May irritate the respiratory tract or cause dizziness.

12. ECOLOGICAL INFORMATION

Environmental Fate: Drift or runoff may adversely affect nontarget plants. Do not apply directly to water or to areas where surface water is present or to inter-tidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate nor pour wash water on the ground; spray or drain over a large area away from wells and other water sources. Do not apply this product through any type of irrigation system. Do not contaminate water used for irrigation or domestic purposes.

Ecotoxicity: Clopyralid, an active ingredient in this product, may leach through soil into groundwater under certain conditions of use. Use of this product where soils are permeable, particularly where the water table is shallow, may result in leaching to groundwater.

13. DISPOSAL CONSIDERATIONS

Product Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixtures or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Triple rinse (or equivalent), adding rinsate to spray tank. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposed by incineration, or if allowed by State and local authorities, by burning. If burned stay out of smoke.

Container Disposal for Refillable Containers: Close all openings and replace all caps.

14. TRANSPORT INFORMATION

Follow the precautions indicated in the Handling and Storage Section, Section 7 of this MSDS.

DOT Proper Shipping Name: Not regulated by US DOT highway.

U.S. Surface Freight Classification: Compound, Tree or Weed Killing, NOI (NMFC 50320, SUB 2:Class: 60)

15. REGULATORY INFORMATION

SARA Hazard Notification/Reporting

SARA Title III, Section 313

Triclopyr, triethylammonium salt CAS#: 57213-69-1: 2.53%

NFPA & HMIS Hazard Ratings: NFPA

HMIS

MATERIAL SAFETY DATA SHEET

Chaser Ò Ultra

| | | |
|----------------|------------|----------------|
| 2 Health | 0 Least | 2 Health |
| 1 Flammability | 1 Slight | 1 Flammability |
| 0 Reactivity | 2 Moderate | 0 Reactivity |
| | 3 High | D PPE |

SARA Title III Hazard Category:

| | | |
|--------------------|-------------------|-------------------------------------|
| Immediate <u>Y</u> | Fire <u>N</u> | Sudden Release of Pressure <u>N</u> |
| Delayed <u>Y</u> | Reactive <u>N</u> | |

Reportable Quantity (RQ) under U.S. CERCLA: None

16. OTHER

Prepared by: Dennis Belau

Approved by: Environmentally/ Regulatory Services

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