

Vegetation Management, LLC

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(800) 790-2085

Chemtrec (24 Hours): (800) 424-9300

"For Chemical Emergency"

Spill, Leak, Fire, Exposure or Accident, Call:

Chemtrec (24 Hours): (800) 424-9300

Outside U.S., call collect: (703) 527-3887

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: Vegetation Manager Ecotriclopyr 3 SL	CHEMICAL NAME (FORMULA): (3,5,6-Trichloro-2-pyridinyl) oxyacetic acid, triethylamine salt
CHEMICAL CLASS: Pyridine Carboxylic Acid family.	

SECTION 2 - HAZARDOUS INGREDIENT INFORMATION

Section 313 of Sara Title III: Ingredients subject to reporting are identified by asterisk (*)

CAS NO.	COMPONENT	%	ACGIH TLV	OSHA PEL	TWA
057213-69-1	Triclopyr [(3,5,6-trichloro-2-pyridinyl)oxyacetic acid), triethylamine salt]	44.4	2 mg/m ³	N/D	N/D
000121-44-8	Triethylamine *	16.25	1 ppm	10 ppm	3 ppm
000060-00-4	Ethylenediaminetetraacetic Acid (ETDA)	2.5	N/A	N/A	N/A

SECTION 3 - PHYSICAL PROPERTIES

BOILING POINT: N/D	MELTING POINT: N/A	SPECIFIC GRAVITY: 1.14 g/mL @ 68°F	VAPOR PRESSURE: N/D
VAPOR DENSITY (AIR=1): N/A	% SOLUBILITY IN WATER: Miscible	% VOLATILE BY WEIGHT: N/D	
APPEARANCE: Pale purple/pink liquid	ODOR: Ammonia-like odor	pH: 8.1 @ 20 °C	

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT & METHOD: 110°F / 43°C (TCC)	FLAMMABLE LIMITS IN AIR (LFL - UFL): Lower: N/D Upper: N/D
EXTINGUISHING MEDIA: Alcohol foam and CO₂.	
SPECIAL FIRE FIGHTING PROCEDURES: Use positive-pressure, self-contained breathing apparatus and full protective clothing.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic, irritating vapors may be formed or given off if product is involved in fire.	

SECTION 5 - REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Does not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen oxides and hydrogen chloride may be formed under fire conditions.
CONDITIONS & MATERIALS TO AVOID: Avoid sources of ignition if temperature is near or above flash point. Incompatible with any oxidizing agent.

SECTION 6 - PROTECTIVE EQUIPMENT & EXPOSURE CONTROL METHODS

RESPIRATORY PROTECTION: No special requirement when used as recommended.				
VENTILATION	LOCAL EXHAUST: Adequate	MECHANICAL: Acceptable	SPECIAL: None	OTHER: None
PROTECTIVE GLOVES AND BOOTS: Chemical-resistant gloves (≥ 14 mils) such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber.			EYE PROTECTION: Protective eyewear (e.g., goggles or full-face shield).	

PRODUCT NAME: Vegetation Manager Ecotriclopyr 3 SL

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Long-sleeved shirt and long pants. Shoes plus socks.

WORK/HYGIENIC PRACTICES:

Corrosive. Causes irreversible eye damage. Harmful if absorbed through skin. DO NOT get in eyes or on clothing. Wash hands before eating, 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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them. Follow manufacturer's instructions for cleaning maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

SECTION 7 - HEALTH HAZARDS

PRIMARY ROUTES OF ENTRY:

Eyes, skin and ingestion.

CARCINOGEN:

Not a carcinogen.

NTP:

Not listed.

MUTAGENICITY:

Not a mutagen.

TERATOLOGY (BIRTH DEFECTS):

Not a teratogen.

EYE CONTACT:

Corrosive. Causes irreversible eye damage. DO NOT get in eyes.

SKIN CONTACT:

Harmful if absorbed through skin. DO NOT get on clothing. Prolonged or repeated exposure may cause skin irritations, even a burn.

INGESTION:

Although of relatively low toxicity if swallowed, ingestion may cause gastrointestinal irritation or ulceration.

INHALATION:

Brief exposure (minutes) is not likely to cause adverse effects.

ALLERGIC SKIN REACTIONS (Dilute Mix):

Prolonged or frequently repeated skin contact may cause allergic skin reaction in some individuals.

SECTION 8 - EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT:

Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lens, if present, after first 5 minutes, and then continue rinsing. Call 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 glass water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor. DO NOT give anything by mouth to an unconscious person.

INHALATION:

Remove individual to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTE TO APPLICATOR:

Allergic skin reaction is not expected from exposure to spray solutions of TRICLOPYR 3SL herbicide when used as directed.

NOTES TO PHYSICIAN:

Probable mucosal damage may contraindicate the use of gastric lavage.

Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach & lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done. If burn is present, treat as any thermal burn, after decontamination. Exposure to amine vapors may cause minor transient edema of the corneal epithelium (glauropsia) with blurred vision, blue haze and halos around bright objects. Effects disappear in a few hours and temporarily reduce ability to drive vehicles. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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SECTION 9 - SPILL, LEAK & DISPOSAL INFORMATION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Clean up spills immediately. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Small Spill: Absorb small spills or sand, vermiculate or other inert absorbent. Place contaminated material in appropriate container for disposal.

Large Spill: Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify, and scrape up for disposal. Pick up wash liquid with additional absorbent and place in a disposable container. After removal, flush contaminated area thoroughly with water. This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

WASTE DISPOSAL METHOD:

Do not contaminate food, feed, or water by storage or disposal. Excess wastes are toxic. Improper disposal or excess wastes are a violation of federal law. If wastes resulting from the use of this product cannot be disposed of according to label instructions, dispose of these wastes at an approved facility. Contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

SECTION 10 – ECOLOGICAL INFORMATION

SUMMARY OF EFFECTS:

For terrestrial uses, 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 washwaters.

For aquatic uses, under certain conditions, treatment of aquatic weeds can result in oxygen depletion or loss due to decomposition of dead plants, which may contribute to fish suffocation. This loss can cause fish suffocation. Therefore, to minimize this hazard, DO NOT treat more than one-third to one-half of the water area in a single operation and wait at least 10 to 14 days between treatments. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Consult with the State agency for fish and game before applying to public water to determine if a permit is needed.

FISH TOXICITY (Technical):

96 hour LC₅₀, Rainbow Trout

400 mg/L

INVERTEBRATE (Technical):

48 hour EC₅₀, *Daphnia magna*

N/A

MOVEMENT & PARTITIONING:

Log octanol/water partition coefficient (Triclopyr).

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Log P_{ow} is <3

SECTION 11 - SHIPPING DATA

DOT PROPER SHIPPING NAME:

For non-bulk shipments by land:

Not Regulated.

For bulk shipments by land:

COMBUSTIBLE LIQUID, N.O.S. (TRIETHYLAMINE), COMBUSTIBLE LIQUID, NA1993, PGIII

For shipments by air or vessel:

FLAMMABLE LIQUIDS, N.O.S. (TRIETHYLAMINE), 3, UN1993, PGIII

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

Health 3

Flammability 2

Reactivity 0

Additional Labeling: None

SECTION 12 - SPECIAL INSTRUCTIONS

SPECIAL INSTRUCTIONS:

None

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SECTION 13 - OTHER INFORMATION/PRECAUTIONS

SARA TITLE 3: SECTION 311/312 CATEGORIZATIONS (40CFR 370):

An immediate health hazard
A delayed health hazard
A fire hazard

SARA TITLE 3: SECTION 313 INFORMATION (40CFR 372):

Triethylamine (CAS No. 000121-44-8), 16.25% in product

CALIFORNIA PROPOSITION 65:

Does not contain any substances known to the State of California to cause cancer or reproductive harm.

CERCLA REPORTABLE QUANTITY:

Triethylamine (CAS No. 000121-44-8), 16.25% in product: RQ = 5000

Ethylenediaminetetraacetic Acid (ETDA) (CAS No. 000060-00-4), 2.5% in product: RQ = 5000

COMMON ABBREVIATIONS THAT MAY HAVE BEEN USED: N/A = NOT APPLICABLE NA = NOT AVAILABLE N/D = NOT DETERMINED

The information provided on this Material Safety Data Sheet is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Vegetation Management, LLC. The data on this sheet relates only to the specific material designated herein. Vegetation Management, LLC assumes no legal responsibility for the accuracy or completeness of this data, nor for use or reliance upon this data.

DATE: 01/10/06/SH3