

# Vegetation Management, LLC

P.O. Box 21365, Seattle, WA 98111

(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 Triclopyr 4 EC**

CHEMICAL NAME (FORMULA):

**(3,5,6 Trichloro-2-Pyridinyl)oxyacetic acid, butoxyethyl ester**

CHEMICAL CLASS:

### 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
<b>064700-56-7</b>	<b>Triclopyr BEE: (3,5,6 Trichloro-2-Pyridinyl)oxyacetic acid, butoxyethyl ester</b>	<b>61.6%</b>	<b>N/D</b>	<b>N/D</b>	<b>N/D</b>

### SECTION 3 - PHYSICAL PROPERTIES

BOILING POINT: <b>N/D</b>	MELTING POINT: <b>N/A</b>	SPECIFIC GRAVITY: <b>1.1</b>	VAPOR PRESSURE: <b>0.1 mm @ 37.8°C (kerosene)</b>
VAPOR DENSITY (AIR=1): <b>&gt;1</b>	% SOLUBILITY IN WATER: <b>Emulsifies</b>	% VOLATILE BY WEIGHT: <b>N/D</b>	
APPEARANCE: <b>Amber liquid</b>	ODOR: <b>Kerosene-like</b>	pH: <b>3.7</b>	

### SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT & METHOD: <b>84.5°C (TCC)</b>	FLAMMABLE LIMITS IN AIR (LFL - UFL): <b>Lower: N/D Upper: N/D</b>
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EXTINGUISHING MEDIA:

**Water fog, foam, CO<sub>2</sub>, or dry chemical extinguishing media.**

SPECIAL FIRE FIGHTING PROCEDURES:

**Firefighters should be equipped with a positive pressure self-contained breathing apparatus and full protective clothing.**

UNUSUAL FIRE AND EXPLOSION HAZARDS:

**Combustible. Toxic, irritating vapors may be produced if product is involved in fire.**

### SECTION 5 - REACTIVITY DATA

STABILITY: **Stable under normal storage conditions. Combustible.**

HAZARDOUS POLYMERIZATION: **Does not occur.**

HAZARDOUS DECOMPOSITION PRODUCTS: **Nitrogen oxides, hydrogen chloride and phosgene may result under fire conditions.**

CONDITIONS & MATERIALS TO AVOID: **Avoid sources of ignition if temperature is near or above flash point. Avoid acid, base, and oxidizing material.**

### SECTION 6 - PROTECTIVE EQUIPMENT & EXPOSURE CONTROL METHODS

RESPIRATORY PROTECTION:

**Supplied-air respirators should be worn if large quantities of mist/dust are generated or prolonged exposure possible.**

VENTILATION	LOCAL EXHAUST:	MECHANICAL:	SPECIAL:	OTHER:
	<b>Adequate</b>	<b>Acceptable</b>	<b>None</b>	<b>None</b>

PROTECTIVE GLOVES AND BOOTS:

**Chemical resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, or viton. Shoes plus socks.**

EYE PROTECTION:

**Chemical goggles recommended.**

**PRODUCT NAME: Vegetation Manager Triclopyr 4 EC**

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

**Long sleeved shirt and long pants.**  
**Also recommended are coveralls and chemical resistant footwear plus socks.**

**WORK/HYGIENIC PRACTICES:**

**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 and wash before reuse. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. If pesticide gets inside remove immediately; thoroughly wash and put on clean clothing.**  
**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:**

**Skin, ingestion, and inhalation.**

**CARCINOGEN:**

**Not listed.**

**NTP:**

**Not listed.**

**MUTAGENICITY:**

**N/A**

**TERATOLOGY (BIRTH DEFECTS):**

**N/A**

**SKIN CONTACT:**

**Harmful if absorbed through skin. Avoid contact with skin and clothing. Prolonged or repeated contact may cause skin irritation.**

**INGESTION:**

**Harmful if swallowed. Low toxicity if swallowed. Small amounts swallowed during normal handling operations are not likely to cause injury. Larger amounts may cause injury. Aspiration into the lungs may occur during ingestion or vomiting causing lung damage or even death due to pneumonia.**

**INHALATION:**

**Harmful if inhaled. Avoid breathing vapor or spray mist. Excessive exposure may cause irritation to upper respiratory tract (nose and throat).**

**EYE CONTACT:**

**Avoid contact with eyes. Causes moderate eye irritation.**

**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**

**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:**

**Immediately call a poison control center or doctor. DO NOT induce vomiting unless told to by a poison control center or doctor. DO NOT give any liquid to the person. 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.**

**EYE CONTACT:**

**Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.**

**NOTES TO PHYSICIAN:**

**Contains petroleum distillate – vomiting may cause aspiration pneumonia.**

**SECTION 9 - SPILL, LEAK & DISPOSAL INFORMATION**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

**In case of large scale spill, avoid contact, isolate area and keep out animals and unprotected persons. Call CHEMTRAC (800 424-9300) or Vegetation Management (800 790-2085). In case of small spill, wear personal protective equipment as specified on the label.**

**WASTE DISPOSAL METHOD:**

**Wastes resulting from the use of this product (that cannot be used according to label instructions) may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be disposed to label instructions, contact the state agency responsible for pesticide regulation to the Hazardous Waste representative at the nearest EPA Regional Office for guidance.**

**PRODUCT NAME: Vegetation Manager Triclopyr 4 EC**

## SECTION 10 – ECOLOGICAL INFORMATION

**SUMMARY OF EFFECTS:**

**This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.**

**FISH TOXICITY (Technical):**

**96 hour LC<sub>50</sub>, Rainbow Trout**

NA

**INVERTEBRATE (Technical):**

**48 hour LC<sub>50</sub>, *Daphnia magna***

NA

**MOVEMENT & PARTITIONING:**

**Log octanol/water partition coefficient.**

**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<sub>ow</sub> is 4.09**

## SECTION 11 - SHIPPING DATA

**DOT PROPER SHIPPING NAME:**

**Non-Bulk packages shipped by Air, Land, or Water:  
Not Regulated**

**Bulk packages shipped by Land:**

**COMBUSTIBLE LIQUID, N.O. S. (contains KEROSENE)/COMBUSTIBLE LIQUID/NA 1993/PGIII**

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:**

**Health 2**

**Flammability 2**

**Reactivity 0**

**Additional Labeling: None**

## SECTION 12 - SPECIAL INSTRUCTIONS

**SPECIAL INSTRUCTIONS:**

**Avoid contamination of food. Store above 28°F.**

## SECTION 13 - OTHER INFORMATION/PRECAUTIONS

**TSCA STATUS:**

**N/A**

**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):**

**N/A**

**CALIFORNIA PROPOSITION 65:**

**N/A**

**CERCLA REPORTABLE QUANTITY:**

**N/A**

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

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**DATE: 060706 pp**