



SAFETY DATA SHEET

X-TREE Wet & Dry

Date of Issue: 17 May 2017

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Triclopyr as the butoxy ethyl ester
Ethyl Esters of Fatty Acids derived from Canola Oil

Recommended use: HERBICIDE

Supplier: Etec Crop Solutions Limited
PO Box 51584
Pakuranga, Auckland
Phone 0800 100 325

Emergency telephone number: 0800 CHEM CALL 0800 243 622
24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: Toxic - 6.1E, 6.4A, 6.5B, 6.9B,
Ecotoxic - 9.1A, 9.2A
Approved Handler Applies

Required identification Details: KEEP OUT OF REACH OF CHILDREN
ECOTOXIC

May be harmful if swallowed.
May cause eye irritation.
May cause an allergic skin reaction.
May cause damage to kidneys through prolonged or repeated oral exposure.
Very toxic to aquatic organisms.
Very toxic to the soil environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients		
Common name	CAS No	%

Triclopyr butoxyethyl ester	64700-56-7	18.8
Vegetable oil methyl esters	Various	80.7
Surfactant		0.5

4. FIRST-AID MEASURES

Description of necessary first aid measures:

Effects and symptoms

Harmful if swallowed or inhaled. Irritating to skin and eyes.

First-aid measures

Inhalation:

Avoid inhalation. Vapours may cause headache, dizziness and nausea. Move person to fresh air. If person is not breathing call 111 or an ambulance, and then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). Call National Poison Center 0800 Poison (0800 764 766) or Doctor for treatment advice.

Ingestion:

Avoid ingestion. May cause nausea, headache, cramps, vomiting. Call the National Poison Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the Poison Center or Doctor. Never give anything by mouth to an unconscious person.

Skin contact:

Avoid skin contact. May cause irritation to the skin. Immediately get under a safety shower. Wash affected skin areas thoroughly with soap and water. Remove and wash contaminated clothing thoroughly. Do not take clothing home to be laundered. Get prompt medical attention.

Eye contact:

Avoid contact with the eyes. May cause irritation to the eyes. Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eyes. Call National Poison Center or doctor for treatment advice.

Notes to a physician:

No specific antidote known. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

HAZCHEM Code:

2X

Extinguishing media :

Water fog, Carbon dioxide, dry chemical, foam.

Hazardous thermal (de)composition products:

Iodide compounds, nitrogen oxides.

Protection of fire-fighters:

Remain upwind. Use water spray to cool containers exposed to fire. Wear full protective clothing and self contained breathing apparatus. Do not breathe smoke or gases.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear protective clothing and personal protective equipment as described in section 8. Keep unprotected persons and animals out of the area.
Environmental precautions:	Keep material out of lakes, streams, ponds and sewer drains
Methods for cleaning up:	Dike to confine spill and absorb with inert absorbent materials such as clay, sand or soil. Shovel or pump waste into a drum and label contents for disposal. Do not touch or walk through spilled material. Wear the protective equipment recommended above. Stop leak when safe to do so. Dike area and prevent entry into waterways, and drains. Small spills/leaks: Absorb with material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal. Large spills/leaks: dike the area of large spills and report them to 0800 CHEMCALL.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes and skin. Keep away from sparks, open flame and direct sunlight. Do not handle material near food, feed or drinking water. Keep out of reach of children.
Storage:	Store away from sparks, heat and flames. Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs. Keep out of direct sunlight. Storage must be generally in accordance with NZS8409 Management of Agrichemicals. See the HAZNOTE for further information.
Packaging materials:	HDPE Plastic – 20, 200, 1000 Litres

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Workplace exposure standards:	Not established
Exposure Standards outside: The workplace:	None established

Engineering measures

Exposure control measures:	Provide general and/or local ventilation to control airborne levels.
-----------------------------------	--

Personal Protective Equipment **Detail specifications for equipment:**

Respiratory system:	None required if airborne concentrations are limited.
Skin and body:	When mixing or applying, wear protective clothing.
Hands:	Use gloves chemically resistant (e.g. nitrile or neoprene) when prolonged or frequently repeated contact could occur.
Eyes:	Use safety glasses.
General hygiene:	Do not eat, drink or smoke when using. Wash hands and face before meals and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	Yellowish brown
Odour:	Aromatic
pH:	Not established
Vapour Pressure:	Not established for substance. Triclopyr butoxyethyl ester = 3.6x10 ⁻⁶ mm Hg @ 25°C
Vapour Density:	Not available
Boiling Point:	
Freezing/melting point:	Not available
Solubility:	Emulsifiable
Specific gravity or density:	0.94
Flashpoint:	>130°C (PMCC)
Octanol/water partition coefficient:	
Explosion properties:	Not explosive
Oxidation properties:	Not an oxidizer

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions
Conditions to avoid:	
Materials to avoid:	Oxidising agents, acids and alkali
Hazardous decomposition Products:	Iodide compounds, nitrogen oxides and cyanide
Hazardous polymerization:	Not subject to polymerization
Specific Data:	
Hazardous reactions :	None known

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral :	LD ₅₀ >2000 mg/kg
Acute toxicity - Dermal :	LD ₅₀ >1000mg/kg
Acute toxicity – Inhalation:	Not established
Skin irritation :	Not classified
Eye irritation:	Irritating
Sensitization :	Moderate sensitizer
Chronic toxicity	
Carcinogenicity:	Not classified
Mutagenicity:	Not classified
Reproduction toxicity:	Not classified

Other information :

12. ECOLOGICAL INFORMATION

Ecotoxicity

Triclopyr butoxyethyl ester is rapidly hydrolysed to triclopyr acid in soil and water.
Bioconcentration potential for the active ingredient Triclopyr butoxyethyl ester is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).
Measured log octanol / water partition coefficient (Log Pow) is 4.09.

Fish LC₅₀ = 0.36 mg/L in most sensitive spp. Tested
Algae 24 hour EC₅₀ = 0.1 mg/L in the most sensitive spp. tested.

Highly toxic to plant life.

Bioaccumulative potential :

Not bioaccumulative

13. DISPOSAL CONSIDERATIONS

Methods of disposal :

CONTAINER DISPOSAL: Non-refillable containers 20 litres or less :

Ensure container is completely empty. Rinse empty container with an oil based product such as kerosene, then triple rinse with soap and water. Recycle through the **Agrecovery™** programme. If this is not possible, burn if permitted and circumstances, especially wind direction allow, otherwise bury in landfill.

Do not dispose of this product or equipment cleaning kerosene down drains or sewers.

Dispose of equipment cleaning kerosene onto ground away from susceptible crops and plants.

PRODUCT DISPOSAL: Ensure unwanted product is used by another operator strictly in accordance with label directions.

Refillable containers 20 litres or larger:

Refill the containers with **X-TREE® Wet & Dry** herbicide only. Do not reuse this container for any other purpose. Cleaning before refilling is not recommended as any water will cause an emulsion to form when refilled. Keep sealed after emptying to prevent rain from entering.

14. TRANSPORT INFORMATION - International transport regulations

UN number:

3082

Class or Division:

9

Packing Group:

III

Marine Pollutant:

Marine pollutant

Proper shipping name :

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (triclopyr). Marine pollutant

15. REGULATORY INFORMATION

ACVM Registered Number:

HSNO Approval Code:

HSR101226

16. OTHER INFORMATION

Additional information:

Original Issue Date: 17 May 2017

Revision Date:

EXCLUSION OF LIABILITY: PLEASE READ

This Safety Data Sheet is based on the most recent information available. To the extent permitted by law, users of this information accept that neither the manufacturer, Etec Crop Solutions Limited as distributor, nor any other distributor have any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply of these information.

[™] - Trade Mark of Etec Crop Solutions Ltd

® - Registered TM of Etec Crop Solutions Ltd