GENEREX (AUST) PTY LTD

MATERIAL SAFETY DATA SHEET

I IDENTIFICATION

Product Name:	Generex Triclopyr
UN Number:	None
Packaging Group:	None
Dangerous Goods Class:	None
Subsidiary Risk:	None
Hazchem Code:	None
Poisons Schedule Number:	S6,
Use:	For the control of a range of woody weeds and melons.

Physical appearance & Properties:

Appearance:	Clear amber liquid
Indentification:	Vapour pressure 0.168 mPa @ 25 deg C. pKa 3.97
Boiling Point (deg C):	Not applicable
Melting Point (deg C):	148-150
Vapour Pressure (kPa):	Negligible
Specific Gravity:	Not available
Flash Point (Deg C):	Not applicable
Lower Explosive Limit (%):	Not applicable
Upper Explosive Limit (%):	Not applicable
Solubility in Water (g/L):	Partly miscible

Ingredients:

Component	CAS No.	%
Triclopyr (present as the butoxyethyl Ester)	64700-56-7	600g/l
Petroleum derative solvent	8008-20-6	10-30%
Dietylene glycol ethyl ether	111-90-0	<10%
Proprietary ingredients and 2-butoxyethanol	111-76-2	Balance

II HEALTH HAZARD

Hazardous according to the criteria of NOHSC.

Acute Effects:

Eye: The dust may produce eye discomfort causing smarting, pain and redness.

Skin: The material may be mildly discomforting to the skin and is capable of causing skin reactions which may lead to dermatitis. Open cut, abraded irritated skin should not be exposed to this material.

Inhalation: The dust is discomforting to the upper respiratory tract and harmful from repeated exposures over long periods. Dust inhalation may cause nose and throat irritation, coughing and chest discomfort.

Swallowing: The material is moderately discomforting to the gastro-intestinal tract and may be harmful if swallowed in large quantity.

Chronic Health Effects: In extreme cases the solvent present may adversely affect liver and kidney.

First Aid:

Eye: If this product comes in contact with the eyes: Immediately hold the eyes open and wash with fresh running water. Ensure irrigation under the eyelids by occasionally lifting upper and lower lids. If pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin: If this product comes in contact with the skin: Immediately remove all contaminated clothing, including footwear (after rinsing with water). Wash affected areas thoroughly with water (and soap if available). Seek medical attention in event of irritation.

Inhaled: If dust is inhaled, remove to fresh air. Encourage patient to blow nose to ensure clear breathing passages. Rinse mouth with water. Consider drinking water to remove dust from throat. If irritation or discomfort persists seek medical attention.

Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed and if more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup. DO NOT INDUCE VOMITING in an unconscious person. NOTE: Always wear protective glove when inducing vomiting by mechanical means.

Advice to Doctor: Treat symptomatically. Following oral administration in mammals excretion is primary via the urine as the unchanged compound.

Toxicological Data:

Triclopyr butoxyethyl ester is toxic to fish, moderately toxic to aquatic organisms and livestock and slightly toxic to birds. It has low toxicity to honey bees. In soil and water, triclopyr butoxyethyl ester hydrolyses to triclopyr acid which has low toxicity to fish, aquatic organisms, livestock, birds and honey bees. Triclopyr does not bioaccumulate in animals systems.

Triclopyr butoxyethyl ester is rapidly hydrolysed to triclopyr acid, in soil, has a half life of approximately forty days, depending on soil and climatic conditions. In water, triclopyr acid will decompose rapidly with a half life of one to two days. Minimal leaching of triclopyr acid may occur in light soils under high rainfall conditions. Contamination of ground water by triclopyr is highly unlikely.

III PRECAUTIONS FOR USE

Exposure Standards:

Engineering Controls: Natural ventilation only although a local exhaust should be provided if material is handled in confined spaces.

Personal Protection: Avoid contact with eyes and skin. Do not inhale spray mist. When preparing product for use, wear cotton overalls buttoned to the neck and wrist and washable hat, elbow length PVC gloves and effective eye protection. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly. After each day's use, wash contaminated clothing and safety equipment.

Flammability: Non flammable.

Environment: Do not contaminate streams, rivers, waterways, water used for irrigation, drinking or other domestic purposes, with the chemical or used container.

IV SAFE HANDLING INFORMATION

Storage and Transport:

Storage: Do not store this container near food, feedstuffs, fertilizers, seed, insecticides, fungicides or other pesticides. Store in tightly closed original container in a secure, well ventilated place out of direct sunlight. Do not re-use containers.

Transport: Consider non-hazardous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Packaging and Labeling:
POISON.
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING.
The product has been assessed according to the Worksafe criteria for classifying hazardous substances and is classified as hazardous.
Risk Phrases: R22 – Harmful if swallowed

Spills and Disposal:

Contain spill and absorb with sand or proprietary absorbent (vermiculite). Prevent from entering drains, waterways or sewers. Collect in sealed open top containers for disposal. Triple rinse containers, add rinsate to the spray tank, then offer container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. On-site disposal of concentrate is not acceptable.

Fire/Explosion Hazard:

May produce irritating vapours under fire conditions. Combustible liquid. Breathable air apparatus

may be required in confined spaces. Extinguishing media: Water fog, foam, carbon dioxide, dry chemical.

Reactive Data:

Avoid acids, bases and oxidizing materials. Hazardous decomposition products: Nitrogen oxides, hydrogen chloride and phosgene may be evolved when material is involved in fires.

V OTHER INFORMATION

Contact Points:

Police and Fire Brigade:	Dial 000
National Poisons Information Centre:	Dial 13 1126 (from anywhere in Australia)
Generex (Aust) Pty Ltd	Dial (02) 9955 7799 Fax (02) 9955 6599

Please read all labels carefully before using this product.