

GENEREX (AUST) PTY LTD

MATERIAL SAFETY DATA SHEET

I IDENTIFICATION

Product Name: Generex Trichloram
UN Number: None
Packaging Group: None
Dangerous Goods Class: None
Subsidiary Risk: None
Hazchem Code: 2X
Poisons Schedule Number: S6
Use: For the control of a range of environmental and noxious woody and herbaceous weeds.

Physical appearance & Properties:

Appearance: Clear brown liquid
Boiling Point (deg C): No specific data
Corrosiveness : Not corrosive
Vapour Pressure (kPa): 014 mm Hg at 20⁰ C (glycolether)
10x10⁻⁵ mm HG at 33⁰ C (Triclopyr butoxyethyl ester)
65x10⁻⁷ mm HG at 35⁰ C (Picloram acid)
Specific Gravity: 1.12
Flash Point (Deg C): 82 degrees centigrade. C1 Combustible
Solubility in Water (g/L): Emulsifiable

Ingredients:

Component	CAS No.	%
Triclopyr (present as the butoxyethyl Ester)	64700-56-7	300g/l
Picloram hexyloxypropylamine salt (sufficient to give 100g/l of the picloram acid equivalent)	001918-02-1	100g/l
Diethylene glycol monoethyl ether	111-90-0	<10%
Non hazardous ingredients		<100g/l

II HEALTH HAZARD

Hazardous according to the criteria of NOHSC. Risk phrases: R36- Irritating to eyes, R38-Irritating to skin.

Acute Effects:

- Eye: May cause temporary, moderate eye irritation.
- Skin: The acute dermal LD50 (rabbit) is above 2000 mg/kg (low toxicity). Prolonged or repeated contact may cause moderate irritation, drying or flaking of skin.
- Inhalation: The acute inhalation toxicity is low.
- Swallowing: The oral LD50 (rat) is above 2000 mg/kg (low toxicity)

Chronic Health Effects: Possible chronic health effects from exposure to Generex Trichloram are based on the active ingredient. Rats and mice administered the active ingredients, picloram or triclopyr, in long-term carcinogenicity studies showed no increase in tumours when compared to the untreated group. Studies in rats and rabbits indicate that picloram and triclopyr do not cause birth defects or interfere with reproduction. Picloram and triclopyr do not cause genetic change and do not accumulate in the body.

First Aid:

- Eye: If in eyes, hold eyes open and flood with water for at least fifteen minutes and see doctor.
- 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 inhaled, remove to fresh air.
- Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre.

II PRECAUTIONS FOR USE

Exposure Standards:

A time weighted average (TWA) has been established for picloram, present in significant quantities in this product. This value is 10 mg/m³. The corresponding STEL level is "not set". The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a five day working week. The ADI (Acceptable Daily Intake) for Triclopyr is set at 0.005 mg/kg/day. The corresponding NOEL (No-observable-effect-level) is set at 0.5 mg/kg/day. The ADI for Picloram is set at 0.07 mg/kg/day. The corresponding NOEL is set at 7 mg/kg/day.

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

Personal Protection: Harmful if swallowed. Will irritate eyes and skin. Avoid contact with eyes and skin. When preparing the spray, wear cotton overalls buttoned to the neck and wrists, a washable hat, elbow length PVC gloves and a face shield or goggles. If product is in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

Flammability: Non flammable.

Environment: Contamination of ground water by picloram and triclopyr is highly unlikely. If used according to the label, Generex Trichloram will not be harmful to the environment.

IV SAFE HANDLING INFORMATION

Storage and Transport:

Storage: This product is an S6 poison. Do not store this container near food, feedstuffs, fertilizers, seeds. Store in tightly closed original container in a secure, dry, 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.

NOT TO BE TAKEN

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: R36 – Irritating to eyes, R38- Irritating to skin.

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, carbondioxide, dry chemical.

Reactive Data:

Avoid strong oxidising agents.

Ecotoxicity Data:

Picloram has low toxicity to birds, fish, honeybees, livestock and aquatic organisms. Picloram does not bioaccumulate in animal systems.

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 and honeybees. Triclopyr will not bioaccumulate in animal systems.

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.