

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name	Triclopyr 600 Herbicide
Company Name	Kenso Corporation (M) Sdn Bhd
Address	2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand
Telephone	0800 536 766
Emergency Telephone	0800 CHEMCALL (0800 243 622) (24 hours)
National Poisons Centre	0800 POISON (0800 764 766) (24 hours)
Use	For the control of gorse, broom, and a range of other brushweeds.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Pictograms	
Hazard Classification	6.1D, 6.3B, 6.4A, 6.5B, 6.9B, 9.1A, 9.2A, 9.3C
Priority Identifier	HARMFUL ECOTOXIC
Secondary Identifier	KEEP OUT OF REACH OF CHILDREN 6.1D = Harmful if swallowed 6.3B = Irritating to skin 6.4A = Irritating to eyes 6.5B = May cause sensitisation by skin contact 6.9B = Danger of serious damage to health by prolonged exposure 9.1A = Very toxic to aquatic organisms 9.2A = Very toxic in the soil 9.3C = Harmful to terrestrial vertebrates

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
Triclopyr (as butoxyethyl ester)	64700-56-7	60% w/v
Inert ingredients	secret	To 100% w/v

SECTION 4 – FIRST AID MEASURES

Ingestion	If swallowed, do not induce vomiting; seek medical advice immediately.
Eyes	Flush eyes immediately with plenty of fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. However, if irritation persists, see a doctor
Skin	Remove contaminated clothing, wash skin with plenty of soap and water. See a doctor if any signs or symptoms described in this document occur. Discard contaminated non-waterproof clothing. Wash contaminated protective clothing before re-wearing..
Inhalation	Remove to fresh air until recovered. See a doctor if discomfort or irritation continues.
Advice to Doctor	Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard	Non-flammable May product irritating vapours under fire conditions.
HAZCHEM Code	2X
IER Guide No	47
Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Fire Fighting Instructions	Extinguish fire with foam, dry powder, carbon dioxide or water spray.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	For appropriate personal protective equipment (PPE), refer to section 8.
Spillage	Prevent the product or spilled material from entering water bodies. Absorb liquid spills with inert material such as earth or sand and place in waste

Environmental Precautions	containers. Wash area with detergent and water and absorb with further inert material. Dispose of safely. The product is relatively toxic to fish and hence should be kept from entering water bodies. 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 an approved waste receive facility. in accordance with local government regulations. On-site disposal off concentrate is not acceptable.
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SECTION 7 – HANDLING AND STORAGE

Storage	Store in the closed, original container in a dry, well-ventilated area, as cool as possible out of direct sunlight and under lock and key. Keep from contact with human and animal foodstuffs, medicines and remedies, fertilisers, fungicides and insecticides, seeds and other Hazardous Substances of Classes 1, 4, & 5. Storage must be in accordance with NZS 8409 Management of Agrichemicals.
Handling	Avoid contact with skin and eyes and inhalation of concentrate or spray mist. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.
Certified Handler Tracking & Record Keeping	Required when use. Tracking not required. Keep records of use.
Additional Requirements	All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2004 'Management of Agrichemicals', and relevant local and regional council plans.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Workplace Exposure Standards	None established for formulated product.
Engineering Controls	Well ventilated.
Personal Protection	Avoid contact with eyes and skin. Do not inhale spray mist. Wear chemical resistant protective clothing including coveralls, boots, elbow-length PVC gloves and face shield and respiratory protection. If product contacts skin, immediately wash area with soap and water. After each use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Wash protective clothing gloves, face shield before reuse.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Light yellow to yellow
Odour	Aromatic odour
Boiling point (°C)	>200 °C
Flammability Limits	Non flammable
Specific Gravity (at 20°C)	1.20 ± 0.01
Miscibility	Forms emulsion
Oxidising properties	Not oxidising
Explosive properties	Not explosive

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Incompatibility	No incompatibilities reasonably foreseeable
Decomposition	Decomposition will not occur
Polymerisation	Polymerisation will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

This section describes effects which could occur if this product is not handled in accordance with this data sheet.

Acute Toxicity (Active Ingredient)	Acute Oral LD ₅₀ (rats) : 803 mg/kg Acute Dermal LD ₅₀ (rabbit) : >2000 mg/kg Acute Inhalation LC ₅₀ (rats) (4hr) : >4.8 mg/l
Other Information	The Australian Acceptable Daily Intake (ADI) for triclopyr for a human is 0.005

	mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.5 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing, 'ADI List', TGA, June 2006).
Mutagenic Effects	None
Carcinogenic Effects	None
Reproductive Effects	None
Teratogenic (Birth) Effects	None
Systemic Effects	None

SECTION 12 – ECOTOXICITY INFORMATION

This section describes effects which could occur if this material is not handled in accordance with this data sheet.

The following information is presented in respect of the active ingredient:

Ecotoxic Effects	<p>Acute Toxicity – Fish The following is data for the active ingredient, triclopyr as the butoxyethyl ester. LC₅₀ (96 hr) for the most sensitive species tested is 0.31 mg/l.</p> <p>Acute Toxicity – Daphnia EC₅₀ (48 hr) for daphnia is 0.66 mg/l for triclopyr butoxyethyl ester.</p> <p>Acute Toxicity – Algae LC₅₀ (48hr) for algae is 0.193 mg/l.</p> <p>Acute Toxicity – Other Organisms Bees: Not toxic to bees. LD₅₀ >100 µg/bee. LD₅₀ for bobwhite quail is 735 mg/kg for triclopyr butoxyethyl ester</p>
Other information	<p>Triclopyr butoxyethyl ester is rapidly hydrolysed to triclopyr acid in soil and water. Do not contaminate dams, waterways or sewers with this product or the containers which have held this product. Spray drift can cause damage, read the label for more information.</p> <p>Marine pollutant.</p>

SECTION 13 – DISPOSAL CONSIDERATIONS

Product	Dispose of this product only by using according to the label, or at an approved waste disposal facility I or other approved facility.
Container	Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise crush and submit to an approved waste receival facility. DO NOT reuse this container for any other purpose.

SECTION 14 – TRANSPORT INFORMATION

Dangerous Goods	
UN Number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains Triclopyr)
Class	9
Subsidiary Class	None
Packaging Group	III
Additional Information	MARINE POLLUTANT
MTQ (Non-Commercial)	250 L

SECTION 15 – REGULATORY INFORMATION

HSNO Approval No	HSR000829
ACVM Approval No	P8711

SECTION 16 – OTHER INFORMATION

This SDS contains only safety-related information. For other data see product literature.

Contact Points

Police, Ambulance and Fire Service	111
National Poisons Information Centre	0800 POISON (0800 764 766)
Hazardous Substances Emergency	0800 Chemcall (0800 243 622)