


SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name	Timberwolf 500 SC Herbicide
Company Name	Kenso Corporation (M) Sdn Bhd
Address	2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand
Telephone	0800 536 766
Hazardous Substances Emergency Telephone	0800 CHEMCALL (0800 243 622) (24 hours)
National Poisons Centre Use	0800 POISON (0800 764 766) (24 hours) For the control of broadleaf and grass weeds in forestry, established maize, lucerne, peas, sweetcorn, and as non-selective residual herbicide in non-crop areas.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Pictograms	
Hazard Classification Priority Identifier	6.1E, 9.1A, 9.2A WARNING KEEP OUT OF REACH OF CHILDREN
Secondary Identifier	6.1E = May be harmful if swallowed 9.1A = Very toxic to aquatic organisms 9.2A = Very toxic in the soil

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
Terbutylazine	5915-41-3	50% w/v
Other inert ingredients	secret	To 100% w/v

SECTION 4 – FIRST AID MEASURES

Ingestion	If swallowed, do not induce vomiting, seek medical advice immediately.
Eye	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 affected areas or skin thoroughly with soap and water. Seek medical advice if irritation develops. Thoroughly decontaminate and launder contaminated clothing before reuse. .
Inhalation	Remove to fresh air until recovered. Seek immediate medical advice if discomfort or irritation continues.
Advice to Doctor	Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard	Not a fire or explosion hazard
HAZCHEM Code	3Z
IER Guide No	47
Extinguishing Media	Extinguish fire with foam, dry powder, carbon dioxide or water spray.
Fire Fighting Instructions	Evacuate personnel to a safe area. Always wear positive-pressure self-contained breathing apparatus and full protective clothing. Do not allow water from fire-fighting to enter water supplies or drainage systems.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions Spillage	For appropriate personal protective equipment (PPE), refer to section 8. Wear suitable chemical resistant clothing including; coveralls, face shield, respiratory protection (organic vapour minimum) gauntlet gloves and boots. Stop leak if safe to do so, and contain spill. Prevent the product or spilled material from entering drains or water bodies. Contain and absorb spills with
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Environmental Precautions	inert material such as zeolite clay or sand and place in waste containers. Wash area with detergent and water and absorb with further inert material. Dispose of recovered material through a designated hazardous substances disposal facility or contact the local regional/district council for disposal information. Concentrate, solutions and washings must be prevented from entering surface water drains, storm water drains or waterways.
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SECTION 7 – HANDLING AND STORAGE

Storage	Keep out of reach of children. Store in original container, tightly closed, away from human and animal foodstuffs, medicines and remedies, seeds and fertilisers. Segregate from incompatible hazardous substances (Classes 1, 4 & 5). Store under lock and key in a cool, dry, well ventilated place and protect from sunlight or excessively cold temperatures.
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.
Handler Competence	Persons responsible for the storage, handling, mixing, applying or disposing of this product must be trained, experienced or supervised in accordance with requirements for class 6 and 9 substances of the Health and Safety at Work (Hazardous Substances) Regulations 2017 part 4.5 and the Hazardous Substances (Hazardous Property Controls) Notice 2017 Part 4 Subpart C .
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

Engineering Controls	Product is used outdoors. Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapours are generated, use respiratory protection to a minimum of Organic Vapour cartridge type and/or local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Follow precaution statements on the label and the use and safety directions in Code of Practice for the Management of agrichemical NZS8409.
Personal Protection	Use only protective equipment bearing the mark of the Standards Association of Australia/ New Zealand. In case of heavy exposure, wear full respiratory protection (at least to organic vapour standard) eye protection, chemical resistant; coveralls, footwear and gloves.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Suspension liquid
Colour	Off white colour
Odour	Negligible
pH	5-9
Specific gravity	1.12 g/L
Flash point (°C)	NA
Flammability Limits	Non combustible
Miscibility	Miscible in water
Oxidising properties	Not oxidising
Explosive properties	Not explosive

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Incompatibility	No particular incompatibilities.
Decomposition	Not applicable.
Dangerous Reactions	Not known.

SECTION 11 – TOXICOLOGICAL INFORMATION

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

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

Acute Toxicity	Acute Oral LD ₅₀ (rat) 1845 mg/kg Acute Dermal LD ₅₀ (rabbit) >2000 mg/kg Acute Inhalation LC ₅₀ (rat) >3.51 mg/l
Sensitisation Effects	Not a sensitizer
Eye Damage/ Irritation	Not irritant
Skin Corrosion/ Irritation	Not irritant

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 to Fish LC50 (96 h) (rainbow trout) 3.8-4.6 mg/L</p> <p>Acute toxicity to Daphnia EC50 (48 h) (daphnia magna) 21-50.9 mg/L</p> <p>Growth Inhibition, Algae EC50 (96 h) (Selenastrum capricornutum) 3.2ppb</p> <p>Toxicity to bee LD50 (oral and contact) > 100µg/bee</p>
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SECTION 13 – DISPOSAL CONSIDERATIONS

Product	Dispose of this product only by using according to the label, or at an approved local authority landfill/transfer station or other approved hazardous substances waste management 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, submit to local authority refuse receival facility. Do not burn. DO NOT reuse this container for any other purpose

Dispose of local authority management Ensure the spray www.agrecovery.co.nz NOT reuse

SECTION 14 – TRANSPORT INFORMATION

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

SECTION 15 – REGULATORY INFORMATION

HSNO Approval No	HSR100978
ACVM Approval No	P9120

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)