

SAFETY DATA SHEET

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
(09) 410 0861

Telephone Number:
Hazardous Substances
Emergency Telephone Number: 0800 CHEMCALL (0800 243 622)
National Poisons 0800 POISON (0800 764 766)
Use: Information Centre:
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 classification: 6.1E, 9.1A, 9.2A
Priority Identifier: WARNING
KEEP OUT OF REACH OF CHILDREN
Secondary Identifiers: 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 number	Proportion
Terbutylazine	5915-41-3	500 g/L
Dispersing/wetting agent		<100g/L
Other non-active ingredient		Up to 1 L

SECTION 4 – FIRST AID MEASURES

Swallowed	If swallowed, DO NOT induce vomiting. Seek medical advice or contact Poisons Information Centre 0800 764 766
Eye	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.
Skin	Remove contaminated clothing. Wash affected areas or skin thoroughly with soap and water. Seek medical advice if irritation develops. Thoroughly decontaminate and launder clothing before reuse.
Inhaled	Remove to fresh air until recovered. If symptoms persist, seek medical advice.

Advice to Doctor
Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard

Dangerous decomposition or Combustion Products

Thermal decomposition

None

Hazardous decomposition products

Carbon dioxide, carbon monoxide, nitrogen oxides, water.

Hazardous reactions

Avoid oxidising agents. Strong acids or alkalies will slowly decompose Terbutylazine.

Extinguishing Media

Use water spray, foam, dry chemical or carbon dioxide.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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. The product is a herbicide and spills should be contained. 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 landfill in accordance with local regulations. On-site disposal of concentrate is not acceptable.

SECTION 7 – HANDLING AND STORAGE

Store in the original container, tightly closed, away from food, human and animal health products/remedies, seeds, fertilisers, insecticides, fungicides and plant health products.. Keep out of reach of children. After handling, remove protective clothing and equipment, wash hands before eating, drinking, chewing gum, smoking or using toilet. See product label for further handling and storage precautions.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls

Handle in well ventilated areas, generally natural ventilation is adequate.

Personal Protective Equipment

When opening the container, preparing spray and using the prepared spray wear chemical resistant coveralls buttoned to the neck and wrist and elbow-length nitrile gloves and goggles.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous liquid
Colour:	Off-white
Odour:	Mild odour
Boiling point (°C):	Not applicable
Vapour Pressure:	Not applicable
Specific Density:	1.12
Flashpoint:	Not applicable
Flammability Limits:	Non flammable
Solubility in Water:	Disperses in water

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions.

Hazardous Reactions

Keep away from strong oxidising agents.

Hazardous Polymerization

Hazardous polymerisation is not possible.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicology Information	No specific toxicological data is available for this product. Data below is for active constituents.
Carcinogenicity	Non-carcinogenic
Acute Toxicity - Oral	LD ₅₀ (rat) 1845 mg/kg for terbuthylazine
Acute Toxicity - Dermal	LD ₅₀ (rabbit) >2000 mg/kg for terbuthylazine
Acute Toxicity - Inhalation	LC ₅₀ (rat) (4hr) >3.51 mg/l for terbuthylazine
Eye Irritation	Non-irritant
Skin Irritation	Non-irritant
Skin Sensitisation	Not a sensitiser

SECTION 12 – ECOLOGICAL INFORMATION

Basis for Assessment Ecotoxicological data have not been determined specifically for this product. Data below is for the active ingredient unless otherwise stated.

Acute Toxicity - Fish	LC50 (96hr) for rainbow trout is 3.8 - 4.6 mg/l for terbuthylazine
Acute Toxicity - Daphnia	LC50 (48hr) for daphnia is 21 - 50.9 mg/l for terbuthylazine.
Acute Toxicity - Algae	EC50 (5d) for <i>Selenastrum capricornutum</i> 3.2ppb for terbuthylazine
Acute Toxicity - Other Organisms	LD50 for duck and quail is >1000 mg/kg for terbuthylazine LD ₅₀ (oral and contact) >100Jg/bee

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal: Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.

SECTION 14 – TRANSPORT INFORMATION

UN Number (Sea Transport): 3082

IMO Proper Shipping: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TERBUTHYLAZINE 50%), Class 9, Packaging group III

SECTION 15 – REGULATORY INFORMATION

HSNO Approval Number: HSR100978

HSNO Controls (inc. Tracking and Record Keeping) See <http://www.epa.govt.nz> for controls.

ACVM Registration: P9120

ACVM Controls: See www.footsafety.govt.nz for registration conditions.

SECTION 16 – OTHER INFORMATION

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

CONTACT POINT:

Police and Fire Service:

Dial 111

National Poisons Information Centre:

Dial 0800 POISON (0800 764 766)

Hazardous Substances

Emergency Telephone Number:

Dial 0800 CHEMCALL (0800 243 622)