


SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name	Ken-Tac 100 Insecticide
Company Name	Kenso Corporation (M) Sdn Bhd
Address	2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand
Telephone	0800 536 766
Hazardous Substance	0800 CHEMCALL (0800 243 622) (24 hours)
Emergency Telephone	
National Poisons Centre Use	0800 POISON (0800 764 766) (24 hours) For the control of a range of caterpillar pests in vegetable brassicas, maize and sweetcorn and tomatoes, thrips and aphids in onions and tomatoes, grass grub beetle on non-bearing fruit trees and non-flowering newly planted shelter belts.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Pictograms	
Hazard Classification	3.1D, 6.1D, 6.3B, 6.9B, 9.1A, 9.3B, 9.4A
Priority Identifier	WARNING TOXIC ECOTOXIC
Secondary Identifier	KEEP OUT OF REACH OF CHILDREN 3.1D = Combustible liquid 6.1D = May be harmful if swallowed 6.3B = May cause skin irritation 6.9B = May cause reproductive/development damage from repeated oral exposure at high doses. 6.9B = May cause reproductive/development damage from repeated oral exposure at high doses. 9.1A = Very toxic to aquatic organisms 9.3B = Toxic to terrestrial vertebrates 9.4A = Very toxic to terrestrial invertebrates

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
Alpha-cypermethrin	67375-30-8	10% w/v
Inert ingredients	secret	To 100% w/v

SECTION 4 – FIRST AID MEASURES

Ingestion	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.
Eye	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.
Skin	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.
Inhalation	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Advice to Doctor	Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard	Combustible
HAZCHEM Code	2X
IER Guide No	47
Extinguishing Media	Dry Chemical, water spray, carbon dioxide
Fire Fighting Instructions	During a fire, toxic fumes may be emitted. Wear self-contained breathing

apparatus. Contain runoff.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	For appropriate personal protective equipment (PPE), refer to section 8.
Spillage	Wear suitable chemical resistant clothing including; coverallas, face shield, respiratory protection (organic vapour minimum) gauntlet gloves and boots. Prevent the product or spilled material from entering drains or water bodies. Contain and absorb spills with inert material such as zeolite clay or sand and place in waste containers. Wash area with water and detergent and absorb with further inert material. Dispose of through a designated hazardous substances disposal facility or contact the local regional/district council for disposal information.
Environmental Precautions	Washings must be prevented from entering surface water drains or waterways.

SECTION 7 – HANDLING AND STORAGE

Storage	Keep out of reach of children. Store in original container, tightly closed, away from foodstuffs, medicines, animal remedies, seeds and fertilisers. Store in a cool, dry, well ventilated place and protect from sunlight.
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	Substance must be under the control of a Certified Handler, or a person supervised by a Certified Handler.
Record Keeping	Tracking is not required.
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	No special requirements. Product is used outdoors. Containment and/or segregation is the most reliable technical protection measure. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapours are generated, use local exhaust ventilation controls or adequate respiratory protection (organic vapour minimum.) 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 Agrichemicals NZS8409.
Personal Protection	Use only protective equipment bearing the mark of the Standards Association of Australia/ New Zealand. In case of significant exposure, wear full respiratory protection (at least to organic vapour standard) eye protection, chemical resistant coveralls and gloves and footwear.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Clear brown
Odour	Solvent odour
pH	5-7
Flash point (°C)	NA
Flammability Limits	Combustible
Miscibility	Forms emulsion
Oxidising properties	Not oxidising
Explosive properties	Not explosive

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable under normal conditions. Do not store below 4 °C.
Incompatibility	None known
Decomposition	Combustion or thermal decomposition will evolve toxic and irritant vapours.
Dangerous Reactions	Products arising from combustion or thermal decomposition may be toxic,

corrosive or flammable.

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:

Ingestion	Harmful if swallowed.
Eye	The concentrate may cause irritation of the eyes.
Skin	May irritate the skin.
Inhalation	Not known – no cases of human poisoning known
Acute Toxicity (Active Ingredient)	Acute Oral LD ₅₀ (rats) : 79-474 mg/kg Acute Dermal LD ₅₀ (rats) : >2000 mg/kg Acute Dermal LD ₅₀ (rabbits) : >2000 mg/kg Acute Inhalation LC ₅₀ (rats) (4hr) : >0.32 mg/l
Sensitisation Effects	Not a sensitizer
Mutagenic Effects	None
Carcinogenic Effects	None
Reproductive Effects	None
Teratogenic (Birth) Effects	None
Systemic Effects	Repeated exposure could result in peripheral nervous system damage.

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) = 0.0028 mg/L</p> <p>Acute toxicity to Daphnia LC₅₀ (48 h) = 0.0003 mg/L</p> <p>Growth Inhibition, Algae EC₅₀ (72 h) (green alga) = 1.8 mg/L</p> <p>Toxicity to bees LD₅₀ = 0.059 µg/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 landfill 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 an approved waste disposal/recycling 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, LIQUID, N.O.S. (contains ALPHA-CYPERMETHRIN)
Class	9
Subsidiary Class	None
Packaging Group	III
Additional Information	MARINE POLLUTANT
MTQ (Non-Commercial)	250 L

SECTION 15 – REGULATORY INFORMATION

HSNO Approval No	P9649
ACVM Approval No	HSR001759

SECTION 16 – OTHER INFORMATION

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

Contact Points

Police, Ambulance and Fire Service

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National Poisons Information Centre

0800 POISON (0800 764 766)

Hazardous Substances Emergency

0800 Chemcall (0800 243 622)