

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name	Taekwando 250 CS Insecticide
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 insect control in various crops, amenity turf, ornamentals and as per the Directions for Use table.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Pictograms		
GHS Signal Word	DANGER	
Hazard Classification	Acute oral toxicity, Category 3; Acute inhalation toxicity Category 4, Eye irritation, Category 2, Specific target organ toxicity (repeated exposure), Category 1, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1.	
Hazard Statement	H301: Toxic if swallowed. H332: Harmful if inhaled. H319: Causes serious eye irritation. H372: Cause damage to organ through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.	
Prevention	P102: Keep out of reach of children. P103: Read label before se. P260: Do not breathe dust/fume/gas/mist/vapors/spray. P264: Wash contacted areas thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.	
Response	P101: If medical advice is needed, heave product container or label at hand. P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present ad easy to do. Continue rinsing. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P321: Specific treatment (see FIRST AID on this label). P330: Rinse mouth. P337 + P33: If eye irritation persists: Get medical advice/attention. P391: Collect spillage.	
Storage	P405: Store locked up.	
Disposal	P501: Dispose of contents/container as per specified on the registered label.	

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
Lambda-cyhalothrin	91465-08-6	25% w/v
Inert ingredients	secret	To 100% w/v

SECTION 4 – FIRST AID MEASURES

Ingestion	If swallowed seek medical advice immediately. DO NOT induce vomiting.
Eye	If concentrate or spray solution enters the eyes wash it out immediately with water. Remove contact lenses.
Skin	If skin contact occurs remove contaminated clothing and wash affected areas thoroughly with running water.
Inhalation	If inhaled move the victim to fresh air immediately.
Advice to Doctor	Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard	Non flammable.
HAZCHEM Code	2X
IER Guide No	35
Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical or 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	Wear suitable protective clothing including chemical resistant; coveralls, face shield gloves, boots and respiratory protection to a minimum of Organic Vapour specification.
Spillage	Prevent the product or spilled material from entering water bodies. Absorb liquid spills with inert material such as earth, clay or sand and place in waste containers. Wash area with detergent and water and absorb with further inert material. Dispose of recovered product and contaminated material in an approved hazardous substances waste management facility or local authority transfer facility capable of hazardous waste disposal.
Environmental Precautions	Washings must be prevented from entering surface water drains or waterways.

SECTION 7 – HANDLING AND STORAGE

Storage	Toxic. Keep out of reach of children. Store in original container, tightly closed, away from animal and human foodstuffs, food packaging, 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.
Handler Competence	Persons responsible for the storage, handling, mixing, applying or disposing of this product must either be a Certified Handler, or be trained, experienced or supervised in accordance with the requirements of the Health and Safety at Work (Hazardous Substances) Regulations 2017 part 4.5 & 4.6 and the Hazardous Substances (Hazardous Property Controls) Notice 2017 Part 4 Subpart C.
Record Keeping	Not required.
Additional Requirements	All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2021 'Management of Agrichemicals', and relevant local and regional council plans.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls	Handle in well ventilated areas, generally natural ventilation is adequate. 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 exposure, wear full respiratory protection (at least to organic vapour standard) eye protection, chemical resistant coveralls and gloves.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Off white to beige
Odour	Non specific
pH	6-8
Flash point (°C)	>100 °C
Flammability Limits	Non flammable
Density (at 20°C)	1.050
Miscibility	Miscible
Oxidising properties	Not oxidising
Explosive properties	Not explosive

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable under normal conditions
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.

Toxicology Information	No specific toxicological data is available for this product. Data below information is based on similar composition.
Acute Toxicity (Active Ingredient)	Acute Oral LD ₅₀ (rat): 180 mg/kg Acute Dermal LD ₅₀ (rat): >2000 mg/kg Acute Inhalation LC ₅₀ (4 h) (rat): 2.6-4.52 mg/L
Skin Irritation	Irritant
Eye Irritation	Irritant
Sensitisation Effects	Not a sensitizer
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	Acute toxicity to Birds LD ₅₀ (Mallard duck) > 3950 mg/kg Acute toxicity to Fish LC ₅₀ (96 h) (Bluegill sunfish) = 0.21 µg/L Acute toxicity to Crustaceans EC ₅₀ (72 h) (Daphnia) = 0.26 µg/L Toxicity to aquatic Invertebrates LC ₅₀ (48 h) (daphnia magna) = 0.25 mg/L Toxicity to other organisms Algae: EC ₅₀ (96 h) (Selenastrum capricornutum) > 1000 µg/L Bees: LD ₅₀ (contact): 38 ng/bee
Environmental Fate	Lambda-cyhalothrin is not readily biodegradable, not persistent in water with half-life degradation of 7 days. It is not persistent in soil, yet immobile in soil. Lambda-cyhalothrin possesses bioaccumulative potential.
Environmental Exposure Limit	None established.

SECTION 13 – DISPOSAL CONSIDERATIONS

Product	Dispose of this product only by using according to the label, or at an approved
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Container

hazardous substance waste receival facility. On-site disposal of concentrate is not acceptable.
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 a suitable refuse transfer station or hazardous waste receival facility. DO NOT reuse this container for any other purpose.

SECTION 14 – TRANSPORT INFORMATION

Dangerous Goods**UN Number**

3352

Proper Shipping Name

PYRETHROID PESTICIDE, LIQUID, TOXIC (CONTAINS LAMBDA-CYHALOTHRIN)

Class

6

Subsidiary Class

None

Packaging Group

III

Additional Information

MARINE POLLUTANT

MTQ (Non-Commercial)

250 L

SECTION 15 – REGULATORY INFORMATION

HSNO Approval No

HSR000336

ACVM Approval No

P009810

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)