


SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name	Diyak 150 SC 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	0800 POISON (0800 764 766) (24 hours)
Use	For the control of diamond back moth, and cabbage white butterfly in vegetable brassicas, leaf roller caterpillars in kiwifruit, soybean looper in lettuce, codling moth and leafroller caterpillars (light brown apple moth, green-headed leafroller, brown-headed leafroller) in apples and pears and leafroller caterpillars in grapes.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Pictograms	
GHS Signal Word	DANGER
Hazard Statement	H302: Harmful if swallowed. H317: May cause an allergic skin reaction. H372: Causes damage to organs through prolonged or repeated exposure.
Prevention	P260: Do not breathe dust/fume/gas/mist/vapours/spray. P264: Wash contacted areas thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301 + P312: IF SWALLOWED: Call a POISON CENTER or docto/physician if you feel unwell. P302 + P352: IF ON SKIN: Wash with plenty of water. P314: Get medical advice/attention if you feel unwell. P321: Specific treatment (see FIRST AID on this label). P333 + P313: If skin irritation or ash occurs: Get medical advice/attention. P362 + P364: Take off contaminated clothing and wash it before reuse. P330: Rinse mouth.
Disposal	P501: Dispose of contents/container as specified on the registered label.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
S-Indoxacarb	173584-44-6	15% 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, seek immediate medical advice.
Skin	Remove contaminated clothing, wash skin with plenty of soap and water. Seek immediate medical advice if any signs or symptoms described in this document occur.
Inhalation	Remove to fresh air until recovered. See a doctor if discomfort or irritation continues.
Advice to Doctor	Treatment 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	For appropriate personal protective equipment (PPE), refer to section 8.
Spillage	Absorb spilt material with absorbent materials such as sand, clays or soils. Sweep contaminated material up and shovel or collect recoverable material into labelled, sealable containers for recycling or salvage, and dispose of promptly. After spills, wash area with detergent preventing runoff from entering drains. If a significant quantity of material enters drains, advise regional council and emergency services immediately. Ensure appropriate disposal by seeking disposal advice from local and/or city Councils prior to disposal. Thoroughly launder or dispose of contaminated protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry. Do not dispose of undiluted concentrates on site.
Environmental Precautions	Concentrate, solutions and 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 human and animal foodstuffs, medicines and remedies, seeds and fertilisers.
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 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.
Tracking	Not required.
Record Keeping	Records of use/application must be kept.
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	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. When mixing, applying or when likely to have any exposure to concentrate, mixes or mists/vapours suitable chemical resistant clothing must be worn including; coveralls, face shield, respiratory protection (organic vapour minimum) gauntlet gloves and boots/footwear.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Suspension liquid
Colour	Off-white to beige colour
Odour	Negligible
Specific gravity	1.05 g/L
Flash point (°C)	NA
Flammability Limits	Non combustible
Miscibility	Dispersible 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.

Ecotoxic Effects	Hazardous to terrestrial vertebrates. Hazardous to terrestrial invertebrates.
Acute Toxicity (for active ingredient, S-Indoxacarb)	Acute Oral LD ₅₀ (rats) >977 mg/kg Acute Dermal LD ₅₀ (rats): >5000 mg/kg Acute Inhalation LC ₅₀ (rats) >5 mg/L/4 hour
Eye Irritation	Irritant
Skin Irritation	Irritant
Sensitisation Effects	Skin sensitizer
Carcinogenic Effects	None
Reproductive Effects	None
Mutagenic 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:

Acute Toxicity – Fish (for active ingredient, S-Indoxacarb)	LC ₅₀ (96 hr) for rainbow trout is 7 mg/l. LC ₅₀ (96 hr) for daphnia is >1.6 mg/l.
Environmental Fate	Moderate soil persistence. DT ₅₀ (20°C): 65 -125 days. Potential for Bioaccumulation in aquatic species.

SECTION 13 – DISPOSAL CONSIDERATIONS

Product	Dispose of this product only by using according to the label, or at an approved local authority hazardous waste receival facility 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 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 S-INDOXACARB)
Class	9
Subsidiary Class	None
Packaging Group	III
Additional Information	MARINE POLLUTANT
MTQ (Non-Commercial)	250 L

SECTION 15 – REGULATORY INFORMATION

HSNO Approval No	HSR000583
ACVM Approval No	P010000

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)