# SAFETY DATA SHEET



SECTION 1 - IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name

Kenso Corporation (M) Sdn Bhd

Company Name Address

2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand

**Telephone** 0800 536 766

Hazardous Substances Emergency Telephone National Poisons Centre Use

0800 CHEMCALL (0800 243 622) (24 hours) 0800 POISON (0800 764 766) (24 hours)

Laoch 600 EW Organophosphate Insecticide

For the control of insect pests in cereals, forage brassicas, ornamentals, pasture, certain seed crops, apples and pears (non-bearing), avocados, mandarins, orange, tomatoes (outdoor) and strawberries.

#### **SECTION 2 – HAZARDS IDENTIFICATION**

**Hazard Pictograms** 



**DANGER** 





GHS Signal Word Hazard Classification

**Hazard Statement** 

Storage

Acute oral toxicity Category 4, Acute dermal toxicity Category 4, Acute inhalation Category 4, Reproductive Toxicity Category 2, Specific target organ toxicity (repeated exposure), Category 1, Hazardous to soil organism, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1

H302: Harmful if swallowed.

H312: Harmful if contact with skin.

H332: Harmful if inhaled.

H361: Suspected of damaging fertility or the unborn child.

H372: Causes damage to organs through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

**Prevention** P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and

understood.

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. 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 P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician

if you feel unwell.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a

position comfortable for breathing.

P308 + P313: IF exposed or concerned: Get medical advice/attention.

P321: Specific treatment (see FIRST AID on this label).

P330: Rinse mouth.

P362 + P364: Take off contaminated clothing and wash it before reuse.

P391: Collect spillage. P405: Store locked up.

**Disposal** P501: Dispose of contents/container as specified on the registered label.

### **SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS No	Proportion
Diazinon	333-41-5	60% w/v
Other inert ingredients	secret	To 100% w/v

Issued on 24 March 2025 Page 1

# SAFETY DATA SHEET



## **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. Discard contaminated non-waterproof shoes and boots. Wash and

decontaminate contaminated PPE/clothing before re-wearing.

**Inhalation** Remove to fresh air until recovered. See a doctor if discomfort or irritation

continues.

Advice to Doctor Organophosphates:

Initial Treatment: Atropine is the specific antidote. Large amounts are required in organophosphate poisoning. An initial trial dose of atropine 2 mg intravenously should be given and repeated every 15 minutes until an atropine effect is noted (dilated pupils, dry mouth, flushing of the skin). Reduce to a schedule that maintains full atropinisation for at least 24 hours. The dose and

frequency of atropine will vary from case to case.

Medical: Take blood samples for cholinesterase levels before starting treatment. Stomach washout if organophosphate has been ingested. Pralidoxime enhances the reactivation of acetyl cholinesterase. It is most effective if given early, but can still be started up to 48 hours after poisoning. Pralidoxime is given at a dose of 1-2mg by slow I.V. infusion at a maximum rate of 0.5gm/min. It is used as an adjunct to, not a replacement for atropine.

Respiratory Difficulty - Carefully monitor for 24 hours.

Convulsions - Control with Diazepam (Valium) 5-10mg by slow I.V. or I.M.

repeat as necessary.

Symptoms of Exposure which could occur if this material is not handled in accordance with instructions.

Note: Symptoms may be delayed for up to 24 hours or more following exposure.

**Ingestion** Excessive sweating, salivation, headache, weakness, faintness, nausea,

vomiting, diarrhoea, small pupils, blurred vision, convulsions, muscle twitching.

**Eye**No data available. May cause constriction of the pupil.

Skin

No data available. Nay badde constitution of the papir.

No data available. Can be absorbed via the skin (see 'Ingestion' above).

No data available. Can be absorbed via the lungs (see 'Ingestion' above).

#### **SECTION 5 – FIRE FIGHTING MEASURES**

Fire/Explosion Hazard Hazardous thermal decomposition products may include but not limited to:

various aliphatic organophosphates, substituted pyrimidine and hydrogen cyanide. S-TEPP and diazoxon may form when diazinon is reacted with trace amounts of water. Oxides of carbon, nitrogen, sulphur and phosphorus may also be formed. Sulphur dioxide is an irritant and may induce asthma. Nitrogen oxides are irritants to the lungs - may cause pulmonary oedema. Carbon dioxide causes asphyxia by displacing oxygen.

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 selfcontained 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. 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 preventing runoff from entering drains. If a significant quantity of material enters drains, advise regional council and emergency services immediately. Ensure appropriate disposal by consulting local, regional authority regulations prior to disposal.

Thoroughly launder or dispose of contaminated protective clothing before

Issued on 24 March 2025 Page 2





storage or re-use. Advise laundry of nature of contamination when sending

contaminated clothing to laundry. Do not dispose of undiluted concentrates on

**Environmental** Concentrate, solutions and washings must be prevented from entering surface **Precautions** 

water drains or waterways.

**SECTION 7 – HANDLING AND STORAGE** 

Keep out of reach of children. Store in original container, tightly closed, away Storage

from human and animal foodstuffs, medicines and remedies, seeds and

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.

**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** 

Workplace Exposure

**Standards** 

Diazinon 0.1 g/m<sup>3</sup> (8 hr TWA)

Ensure adequate ventilation, especially in confined areas. Follow precaution **Engineering Controls** 

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 Flowable liquid Colour Milky white colour

Negligible Odour 1.07 g/L **Specific gravity** 7 - 9

pН 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**

Issued on 24 March 2025 Page 3

## Safety data sheet



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

**Acute Toxicity (for active** Acute Oral LD50 (rats): 300 mg/kg ingredient, diazinon) Acute Dermal LD<sub>50</sub> (rats): 876 mg/kg

Acute Inhalation LC<sub>50</sub> (rats) > 1600 mg/L/4 hour

**Eve Irritation** Irritant Skin Irritation Irritant **Sensitisation Effects** None Carcinogenic Effects None

Reproductive Effects Suspected reproductive/ developmental toxicant.

**Mutagenic Effects** No data available.

#### **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** Persistence and

Diazinon is not rapidly degradable.

degradability Diazinon is fairly strongly absorbed onto soil. Mobility is low.  $T_{1/2} = 2-4$  weeks **Mobility** 

in soil.

**Bioaccumulative** 

Diazinon does not bio-accumulate.

**Potential** 

Non phytotoxic when used as directed. Principle metabolites in animals are **Environmental Fate** 

diethyl thiophosphate and diethyl phosphate. Degradation in soil and water

oxidises to the phosphate (diazoxon) and hydrolysis.

Acute Toxicity - Fish (for

active ingredient,

diazinon)

Acute Toxicity - Other

Organisms (for active ingredient, diazinon)

 $LC_{50}$  (96 hr) for zebra danio is 0.8 -1.2  $\mu$ g/l.

 $LC_{50}$  (96 hr) for rainbow trout is 2.6 - 3.2 mg/l. LC<sub>50</sub> (96 hr) for bluegill sunfish 16 mg/l.

Algae: EC<sub>50</sub> (72 h) Freshwater green algae 213.6 mg/L

Daphnia: EC<sub>50</sub> (48 h) water flea 0.22 – 0.29 μg/L

## **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 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** 

HAZARDOUS **Proper Shipping Name** ENVIRONMENTALLY SUBSTANCE, LIQUID, N.O.S.

(CONTAINS DIAZINON)

Class **Subsidiary Class** None **Packaging Group** 

**Additional Information** MARINE POLLUTANT

MTQ (Non-Commercial) 1000 L

#### **SECTION 15 – REGULATORY INFORMATION**

**HSNO Approval No** HSR000180 **ACVM Approval No** P010022

Issued on 24 March 2025 Page 4





## **SECTION 16 – OTHER INFORMATION**

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

111

**Contact Points** 

Police, Ambulance and Fire Service

National Poisons Information Centre
Hazardous Substances Emergency

0800 POISON (0800 764 766)
0800 Chemcall (0800 243 622)

Issued on 24 March 2025 Page 5