

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name: Kenso Agcare Prevaken 350 WG Insecticide
Product Type: Group 28 Insecticide
Company Name: Kenso Corporation (M) Sdn Bhd
Address: Level 1, 98 Commercial Road, Teneriffe, 4005 QLD.
Telephone Number: (07) 3216 1188
Emergency Telephone Number: 000 (Police or Fire Brigade)
13 11 26 (Poisons Information Centre)
Use: For control of Lepidopteran species of insect pests in Pulse crops, as per the direction for use.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification: Not classified as hazardous according to criteria of Safe Work Australia.
Not classified as a Dangerous Good according to the ADG code.



Classification of the Hazardous Chemical: Hazardous to the aquatic environment, long-term - Chronic 1
GHS Signal Word: **WARNING**
Hazard statement: H410: Very toxic to aquatic life with long lasting effects.
Prevention: P273: Avoid release to the environment.
Response: P391: Collect spillage.
Disposal: P501: Dispose of contents/containers as specified on the registered label.

SUSMP Classification: None allocated

ADG Classification: N/A

UN Number: N/A

Emergency Overview

Physical Description & colour: Beige to light brown, granules

Odour: Characteristic

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | CAS number | Proportion |
|---------------------------------|-------------|------------|
| Chlorantraniliprole | 500008-45-7 | 35% |
| Other non-hazardous ingredients | secret | to 100% |

SECTION 4 – FIRST AID MEASURES

| | |
|----------------------|--|
| Inhalation: | Keep calm and remove affected persons into fresh air and keep warm and at rest. If irritation occurs get medical attention. |
| Skin contact: | Remove contaminated clothing, safety shoes, socks, wash affected areas thoroughly with plenty of clean water and soap. Seek medical attention. |
| Eye contact: | Immediately flush with plenty of clean water for 15 minutes with eyelids open. Remove contact lenses if present. Get medical attention. |
| Ingestion: | If swallowed, do not induce vomiting. Wash mouth with water. It is important that while going for treatment or calling doctor, keep the product container or label or the applicator's manual ready with you and hand it over to doctor. |

Advice to Doctor

No specific antidote known. Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazards

Non-combustible material. The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases.

Extinguishing Media

Extinguish fire using resistant foam, dry chemical, carbon dioxide or foam/water fog. Try to contain spills and minimise spillage entering drains or water courses.

Precautions for fire fighters

Fire fighters must use self-contained breathing apparatus. Evacuate the area and fight fire from a safe distance. There is little danger of violent reaction or explosion if significant quantities of this product are involved in a fire.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills and Disposal

Ensure suitable personal protection (including respiratory protection) during removal of spillage. Contain the spill to prevent any further contamination of soil or atmosphere. Stop the source of the spill immediately, if safe to do so. Collect as much of the spill as possible with a suitable absorbent material and place into suitable container for disposal. Decontaminate spill area with detergent and water.

Spills in water: In the event of a major spill, prevent spillage from entering drains or sanitary sewer system. If product contaminates rivers and lakes or drains inform respective authorities.

SECTION 7 – HANDLING AND STORAGE

Handling

It is recommended to avoid physical contact with the product and to have adequate ventilation. Avoid spillage into the eyes, or contact with bare skin or clothing. Avoid dust formation. Wash hands, feet, face thoroughly after handling. Remove contaminated clothing immediately. When

opening, point the container away from the face and body. These precautions will also reduce the risk of exposure.

Storage

The product is stable under normal conditions of storage. Keep container lids tightly closed, in a dry, well-ventilated area away from direct sunlight. Label clearly as a pesticide storage area. Do not store in buildings inhabited by humans or animals.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

Exposure limits have not been established by SWA.

Engineering Controls:

Use in a well-ventilated area only. Provide local exhaust or process enclosure ventilation system.

Personal Protection:

- Eyes: Eye protection such as protective glasses or goggles is recommended when this product is being used. It is recommended to have an eye wash fountain available in the work area.
- Clothing: Wear appropriate protective clothing to prevent direct skin contact
- Gloves: Wear elbow-length gloves.
- Respiratory: Use respiratory protection unless adequate local exhaust ventilation is provided.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------|-------------------------|
| Form: | Granule |
| Colour: | Beige to light brown |
| Odour: | Characteristic |
| Melting point (°C): | Not available |
| Vapour pressure: | Not available |
| Specific gravity: | Not available |
| pH: | 5.0 - 8.0 (1% solution) |
| Auto ignition temperature: | Not available |
| Flammability limits: | Not available |
| Solubility in water: | Not available |

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability

This product is stable under normal storage conditions and unlikely to react or decompose.

Conditions to Avoid

Avoid dust formation. Store in closed original container in a dry, cool, well-ventilated area out of direct sunlight, heat, flames and sparks.

Incompatibilities

Strong acids and bases. Strong oxidizing agents.

Hazardous Decomposition

No hazardous decomposition products if stored and handled as indicated.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity for Chlorantraniliprole

Acute Toxicity - Oral

LD₅₀ (rat) >5000 mg/kg

Acute Toxicity - Dermal

LD₅₀ (rat) >5000 mg/kg

Acute Toxicity - Inhalation

LC₅₀ (rat) (4h) >5.1 mg/l

Potential Health Effects

Health Effects

- Inhalation:** It is not expected to be harmful through inhalation and unlikely to cause any discomfort or irritation.
- Skin contact:** It should present no hazards and unlikely to cause any discomfort in normal use. However, it may be irritating with mild transient discomfort.
- Eye contact:** It may be irritating to eyes with mild discomfort.
- Ingestion:** Significant oral exposure is considered to be unlikely.

Other information

The Australian ADI for chlorantraniliprole is set at 1.6 mg/kg/day with corresponding NOAEL is set at 158 mg/kg/day. *ADI= *Acceptable Daily Intake*; NOAEL= *no observed adverse effect level*. Data adopted from Australia ADI List, March 2023

SECTION 12 – ECOLOGICAL INFORMATION

This product is very toxic to aquatic life with long lasting effects. The product is not readily biodegradable.

Ecotoxicity data (the following data is for chlorantraniliprole component)

Toxicity to Fish

LC₅₀ (96h) for rainbow trout >13.8 mg/L

Bluegill sunfish >15.1 mg/L

Toxicity to aquatic invertebrates

EC₅₀ (48h) Daphnia 0.0116 mg/L

Toxicity to algae/aquatic plants

EC₅₀ (96h) Freshwater green algae >2 mg/L
(14d) Duckweed >2 ml/L

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

ADG

UN Number: 3077
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (contains CHLORANTRANILIPROLE)
Class: 9
Packaging group: III
Hazchem code: 2Z
Storage and Transport: Considered non dangerous for road and rail transport (in packaging) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. SP No. AU01

IMO-IMDG

UN Number: 3077
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (contains CHLORANTRANILIPROLE)
Class: 9
Packaging group: III
Marine pollutant: Yes

SECTION 15 – REGULATORY INFORMATION

SUSMP Classification None allocated
Packaging & Labelling READ SAFETY DIRECTIONS BEFORE OPENING OR USING

SECTION 16 – OTHER INFORMATION

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

Acronyms:

ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail
CAS number Chemical Abstracts Service Registry Number
Hazchem Number Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC International Agency for Research on Cancer
NOHSC National Occupational Health and Safety Commission
SUSMP Standard for the Uniform Scheduling of Medicines & Poisons
UN Number United Nations Number
GHS Globally Harmonised System

CONTACT POINT:

Police and Fire Brigade: Dial 000
National Poisons Information Centre: Dial **13 11 26 (from anywhere in Australia)**
 For 24 hour emergency response: Dial 0439 933 556
 Ask for Murray Goodlich