

## SAFETY DATA SHEET

### SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

**Product Name:** Kenso Agcare Savage 350 Insecticide  
**Product Type:** Group 4A Insecticide  
**Company Name:** Kenso Corporation (M) Sdn Bhd  
**Address:** Unit 3C/ 59, Oxford Street, Bulimba Queensland 4171  
**Telephone Number:** (07) 3217 9788  
**Facsimile Number:** (07) 3217 9733  
**Emergency Telephone Number:** 000 (Police or Fire Brigade)  
**13 11 26 (Poisons Information Centre)**  
**Use:** For the control of various insect pests in a range of crops and the prevention of spread of barley yellow dwarf virus in cereal crops.

### SECTION 2 – HAZARDS IDENTIFICATION

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



**GHS Signal Word:** **WARNING**  
**Hazard statement:** H302: Harmful if swallowed.  
H317: May cause an allergic skin reaction.  
**Prevention:** P261: Avoid breathing fumes, mists, vapours or 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 and eye or face protection.  
**Response:** P363: Wash contaminated clothing before reuse.  
P301+ P312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
P301+ P330+ P331: IF SWALLOWED: Rinse mouth. Do not induce vomiting.  
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333 + P313: If skin irritation or rash occurs: Get medical advice.  
P337 + P313: If eye irritation persists: get medical advice.  
**Storage:** P402 + P404: Store in a dry place. Store in a closed container.

**Disposal:** P403+P235: Store in a well-ventilated place. Keep cool.  
P501: Dispose of contents and containers as specified on the registered label.

**SUSMP Classification:** S6

**ADG Classification:** N/A

**UN Number:** N/A

---

### Emergency Overview

---

**Physical Description & colour:** White to beige liquid suspension

**Odour:** Slight characteristic

**Major Health Hazards:** No major health hazard is known.

---

### Potential Health Effects

---

#### Health Effects

##### Acute:

**Swallowed:** Harmful if swallowed. Symptoms of poisoning include: Apathetic state, depressed muscular tone, respiratory disturbances and trembling. Muscular cramps are also possible in severe cases of poisoning.

**Eye:** Irritating to eyes.

**Skin:** Irritating to skin.

**Inhalation:** May be harmful if inhaled.

##### Chronic:

Animal studies with imidacloprid showed no evidence of oncogenic effects, no evidence of carcinogenic effects and no teratogenic potential.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Imidacloprid	138261-41-3	35%w/v
Inert ingredients	secret	to 100%w/w

### SECTION 4 – FIRST AID MEASURES

<b>Swallowed:</b>	If swallowed give two glasses of water immediately and induce vomiting. Seek medical advice..
<b>Eye:</b>	Hold eyes open, flood with water for at least 15 minutes. Seek medical advice.
<b>Skin:</b>	Carefully remove contaminated clothing and wash affected skin thoroughly with soap and water. Seek medical advice if at all worried.
<b>Inhaled:</b>	Remove affected persons into fresh air and keep warm and at rest. Seek medical advice if at all worried.
<b>Ingestion:</b>	Obtain immediate medical advice as above. Give plenty of water to drink. Do not give anything by mouth to an unconscious person.

**Advice to Doctor**

Treat symptomatically.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Fire/Explosion Hazard**

**Dangerous Decomposition or Combustion Products**

**Thermal Decomposition**

This product is non-flammable- water based product. No thermal decomposition. If involved in fire, it will emit carbon monoxide, nitrogen oxides, hydrogen chloride, hydrogen cyanide.

**Extinguishing Media**

Sprayed water jet, foam, extinguishing powder, carbon dioxide, sand.

**Precautions for Fire Fighters**

Firefighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away. If it can be done safely, remove intact containers from the fire. Otherwise, use water spray to cool them. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later. Do not release contaminated water into the environment.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Spills and Disposal**

Shovel or sweep into drums. Dispose off in an approved land-fill. Wash contaminated surfaces with detergent and water. Do not allow spills to contaminate rivers, dams or other waterways.

**SECTION 7 – HANDLING AND STORAGE**

**Handling**

When handling this product, do not eat, drink or smoke.

When mixing this product always wear a PVC or rubber apron, elbow length PVC gloves, face shield or goggles and overalls buttoned at the wrist and neck.

When spraying this product, wear a face shield or goggles

After each days use, wash gloves, face shield or goggles and overalls.

If product gets on skin, immediately wash area with soap and water.

### Storage

Store in the closed, original container in a well-ventilated area as cool as possible out of direct sunlight. Keep from contact with fertilisers and seeds.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Standards:

The NOHSC exposure standard (TWA) for glycerine mist is : 10 mg/m<sup>3</sup>

Exposure standard- Time weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five day working week.

### Engineering Controls:

Control process conditions to avoid contact. Use in a well-ventilated area only.

### Personal Protection:

Eyes: Wear goggles.

Clothing: Wear cotton overalls buttoned to the neck and wrist and a washable hat if skin exposure is likely.

Gloves: Wear elbow-length PVC gloves.

Respiratory: Wear a disposable mask if inhalation is possible

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Suspension concentrate
<b>Colour:</b>	White to beige
<b>Odour:</b>	Slight characteristic
<b>Boiling Point (°C):</b>	Not applicable
<b>Vapour Pressure:</b>	Not applicable
<b>Specific Gravity:</b>	1.10 at 20°C
<b>Flashpoint:</b>	Non flammable
<b>Solubility:</b>	Dispersible

## SECTION 10 – STABILITY AND REACTIVITY

### Chemical Stability

This product is stable under normal storage conditions.

### Conditions to Avoid

Avoid extreme heat.

### Incompatibilities

Avoid strong oxidising agents.

### Hazardous Polymerization

Hazardous polymerization is not possible.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Acute Toxicity – Oral

LD<sub>50</sub> rat (female): approximately 1218 mg/kg

LD<sub>50</sub> rat (male): approximately 1684 mg/kg

### Acute Toxicity – Dermal

LD<sub>50</sub> rat: > 4000 mg/kg

### Acute Toxicity – Inhalation

LD<sub>50</sub> rat (4 hour): > 2.238 mg/L- aerosol (highest attainable concentration)

### Skin irritation

Not irritating (rabbit)

## SECTION 12 – ECOLOGICAL INFORMATION

### Known Harmful Effects on the Environment

#### Other Precautions

None

#### Environ. Protection

DO NOT contaminate streams, rivers or waterways with Savage 200 insecticide or the used containers.

#### Persistence / Degradability

Imidacloprid cannot be classified as being persistent as it does not accumulate. Repeated use of imidacloprid over several years in maximum concentrations in soil will reach a plateau and will decline if no further applications occur.

Imidacloprid is toxic to certain aquatic species. Dangerous to bees.

DO NOT contaminate streams, rivers or waterways with Radicle 600 Insecticide or the used containers, or bags that have held treated seed. DO NOT allow seed treated with this product to contaminate seed intended for human or animal consumption or poultry feed. DO NOT feed treated seed or otherwise expose to wild or domestic birds. Any spillages of treated seed, however minor, must be cleaned up immediately, preferably by recovery and re-use. If disposal is required, ensure treated seeds are thoroughly buried and not accessible to birds and other wildlife.

#### Acute Toxicity - Fish

LC<sub>50</sub>: 237 mg/L (96 h); golden orfe (*Leuciscus idus melanotis*)

LC<sub>50</sub>: 211 mg/L (96 h); rainbow trout (*Oncorhynchus mykiss*)

LC<sub>50</sub>: 280 mg/L (96 h); carp (*Cyprinus carpio*)

#### Acute Toxicity – Aquatic Invertebrate

EC<sub>50</sub>: 0.055 mg/L (48 h); *Hyaella azteca*

EC<sub>50</sub>: 85 mg/L (48 h); *Daphnia magna*

#### Acute Toxicity – Algae

EC<sub>50</sub>: > 100 mg/L (72 h); green alga (*Pseudokirchneriella subcapitata*)

#### Acute Toxicity – Bacteria

EC<sub>50</sub>: > 10000 mg/L; activated sludge (OECD 209)

#### Acute Toxicity – Bird

LD<sub>50</sub>: 31mg/kg; Japanese quail

LD<sub>50</sub>: 152 mg/kg; bobwhite quail

#### Environmental Fate, persistence and degradability, mobility

Imidacloprid shows a medium adsorption to soil. Classified as immobile in soil. Not expected to leach.

### 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

**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. Ref: ADG7; SP No. AU01.

**UN Number (Sea Transport):** 3082  
**IMO Class/Packing Group:** Class 9; Packing Group III  
**IMO Marine Pollutant:** Marine Pollutant  
**IMO Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains imidacloprid)

### SECTION 15 – REGULATORY INFORMATION

**SUSMP Classification** S6  
**Packaging & Labelling** POISON  
 KEEP OUT OF REACH OF CHILDREN  
 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

