



## SAFETY DATA SHEET

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

**Product Name:** Kenso Agcare Savage 200 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 aphids, mirids and brown flea beetle on cotton; green peach aphid, woolly aphid, grey cabbage aphid and turnip aphid on crops specified in the directions for use table; and for the control of some insects pests of ornamentals.

### 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 statements:**  
H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.

**Prevention:**  
P261: Avoid breathing 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.  
P273: Avoid release to the environment.  
P280: Wear protective gloves, protective clothing and eye or 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.  
P332 + P313: If skin irritation occurs: Get medical advice/attention.  
P330: Rinse mouth.  
P362: Take off contaminated clothing and wash before reuse.  
P391: Collect spillage.

**Storage:** P403 + P235: Store in a well-ventilated place. Keep cool.  
P405: Store locked up.

**Disposal:** P501: Dispose of contents and containers as specified on the registered label.

**SUSMP Classification:** S5

**ADG Classification:** N/A

**UN Number:** N/A

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### Emergency Overview

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

**Odour:** Slight characteristic

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

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### Potential Health Effects

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#### Health Effects

**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:** May irritate eyes.

**Skin:** May irritate 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.

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### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

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Ingredients	CAS number	Proportion
Imidacloprid	138261-41-3	20%w/v
Inert ingredietns		to 100%w/v

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### SECTION 4 – FIRST AID MEASURES

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<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. Do not induce vomiting unless advised to do so by doctor or Poisons Information Centre. Do not give anything by mouth to an unconscious or semi conscious 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.

**Hazardous Decomposition products**

Carbon monoxide, nitrogen oxides, hydrogen chloride, hydrogen cyanide

**Extinguishing Media**

Use water spray, foam, extinguishing powder, carbon dioxide, sand.

**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 day's 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.

Gloves: Wear elbow-length PVC gloves.

Respiratory: Wear a disposable mask if inhalation is likely.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Liquid
<b>Colour:</b>	White to slightly 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 acids, alkalis, strong oxidising agents.

**Hazardous Polymerization**

Hazardous polymerization is not possible.

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Toxicity data:**

**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.

#### 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

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

Acute oral 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** S5  
**Packaging & Labelling** CAUTION  
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