

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:	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 the control of aphids, mirids and brown flea beetle on cotton; green peach aphid, woolly aphid, grey cabbage aphid and turnip aphid on corps 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.



Classification of the Hazardous Chemical: Acute toxicity (Oral) – Category 4
Skin corrosion/ irritation – Category 2
Skin sensitization – Category 1
Hazardous to the aquatic environment, short term – Acute 1
Hazardous to the aquatic environment, long term – Chronic 1

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.

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.
P321: Specific treatment (see FIRST AID on this label)
P330: Rinse mouth.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P391: Collect spillage.

P405: Store locked up.

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

Storage:

Disposal:

SUSMP Classification: S5

ADG Classification: N/A

UN Number: N/A

Emergency Overview

Physical Description & colour: White to slightly beige liquid suspension

Odour: Slight characteristic

Major Health Hazards: No major health hazard is known.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Imidacloprid	138261-41-3	20%
Inert ingredients		To 100%

SECTION 4 – FIRST AID MEASURES

Inhalation:	Remove affected persons into fresh air and keep warm and at rest. Seek medical advice if at all worried.
Skin contact:	Carefully remove contaminated clothing and wash affected skin thoroughly with soap and water. Seek medical advice if at all worried.
Eye contact:	Hold eyes open, flood with water for at least 15 minutes. Seek medical advice.
Ingestion:	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.

Personal Protection

For appropriate personal protective equipment (PPE), refer Section 8.

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/m³

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

Form:	Liquid
Colour:	White to slightly beige
Odour:	Slight characteristic
Boiling point (°C):	Not applicable
Vapour Pressure:	Not applicable
Specific gravity:	1.10 at 20°C
Flashpoint:	Non flammable
Solubility:	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

LD₅₀ rat (female): approximately 1218 mg/kg

LD₅₀ rat (male): approximately 1684 mg/kg

Acute Toxicity – Dermal

LD₅₀ rat: > 4000 mg/kg

Acute Toxicity – Inhalation

LD₅₀ rat (4 hour): > 2.238 mg/L- aerosol (highest attainable concentration)

Skin irritation

Not irritating (rabbit)

Potential Health Effects

Health Effects

Inhalation:	May be harmful if inhaled.
Skin contact:	May irritate skin.
Eye contact:	May irritate eyes.
Ingestion:	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.

Chronic:

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

Other Information

The Australian ADI for imidacloprid is set at 0.06 mg/kg/day with corresponding NOAEL at 6 mg/kg/day. *ADI= *Acceptable Daily Intake*; NOAEL: *No Observable Adverse Effect Level*. Data adopted from Australia ADI List, March 2023.

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

LC₅₀: 237 mg/L (96 h); golden orfe (*Leuciscus idus melanotis*)

LC₅₀: 211 mg/L (96 h); rainbow trout (*Oncorhynchus mykiss*)

LC₅₀: 280 mg/L (96 h); carp (*Cyprinus carpio*)

Acute Toxicity – Aquatic Invertebrate

EC₅₀: 0.055 mg/L (48 h); *Hyalella azteca*

EC₅₀: 85 mg/L (48 h); *Daphnia magna*

Acute Toxicity – Algae

EC₅₀: > 100 mg/L (72 h); green alga (*Pseudokirchneriella subcapitata*)

Acute Toxicity – Bacteria

EC₅₀: > 10000 mg/L; activated sludge (OECD 209)

Acute Toxicity – Bird

Acute oral LD₅₀: 31mg/kg; Japanese quail

Acute oral LD₅₀: 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

ADG

UN Number:	3082
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (contains IMIDACLOPRID)
Class:	9
Packaging group:	III
Hazchem:	3Z
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. Ref: ADG7; SP No. AU01

IMO-IMDG

UN Number: 3082
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S (contains IMIDACLOPRID)
Class: 9
Packaging group: III
Marine pollutant: Yes

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 0428 776 327
Ask for Russell Clark