

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name: Kenso Agcare Kentrole 250 Herbicide
Product Type: Group 34 Fungicide
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 Weeds in Orchards, Vineyards, Potatoes, Pine plantations, Irrigation Ditches and Drains, Roadsides, Wheat and Barley, and for General Industrial Situations as per the Direction for Use.

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:

AUH032: Contact with acids liberates very toxic gas.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H361: Suspected of damaging fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.
H411: 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.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response: P301+P312: IF SWALLOWED: Call a POISON CENTRE/doctor/physician if you feel unwell.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P308+P313: If exposed or concerned: Get medical advice/attention.

P312: Call a POISON CENTRE/doctor/physician if you feel unwell.
P314: Get medical advice/attention if you feel unwell.
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.
P501: Dispose of contents/container as specified on the registered label.

Storage:
Disposal:
SUSMP Classification:
ADG Classification:
UN Number:

S5
N/A
N/A

Emergency Overview

Physical Description & colour: Pale yellow clear liquid

Odour: No information available

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Amitrole	61-82-5	25%
Ammonium thiocyanate	1762-95-4	22%
Inert ingredient	secret	to 100%

SECTION 4 – FIRST AID MEASURES

Inhalation:	Remove to fresh air until recovered. If symptoms persist, seek medical advice.
Skin contact:	Remove contaminated clothing and launder before reuse. Wash affected areas or skin thoroughly with soap and water. Seek medical advice if irritation develops.
Eye contact:	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical attention.
Ingestion:	If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Advice to Doctor:

Treat symptomatically. Symptoms may be similar to iodism or bromide intoxication.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard

There is no risk of an explosion from the product under normal circumstances if it is involved in a fire.

Dangerous Decomposition or Combustion Products

Thermal Decomposition

This product is not flammable, but may burn or decompose in a fire.

Extinguishing Media

Use fire extinguishing methods suitable to surrounding conditions.

Fire Fighting

Wear self-contained breathing apparatus and protective equipment. If a significant quantity of this product is involved in a fire, call the fire brigade.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills & Disposal

In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection.

Product spill: Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

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 away from strong oxidising agents, acids and metals.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits TWA (mg/m³) STEL (mg/m³)

Established for individual ingredient

Ingredient	TWA mg/m ³
Amitrole	0.2
Ammonium thiocyanate	0.5

Engineering Controls

This product should only be used in a well-ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Personal Protective Equipment

When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and face shield or goggles.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Pale yellow
Odour:	Not available
Vapour Pressure:	Not available
pH:	5.0-8.0
Melting Point:	Not available
Flash Point:	Not applicable
Flammability:	Product is not a combustible liquid – water based formulation
Specific Gravity:	1.11-1.13
Solubility in Water:	Not available

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability

Stable at ambient temperature and under normal conditions of use.

Hazardous Reaction

Contact with acids liberates very toxic gas

Hazardous Polymerization

Hazardous polymerization is not possible.

Conditions to Avoid

Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data

Acute Toxicity – Oral (on Amitrole)

LD₅₀ (rats) = 2000 mg/kg

Acute Toxicity – Oral (on Ammonium thiocyanate)

LD₅₀ (rats) = 750 mg/kg

Potential Health Effects

Inhalation	Breathing in high concentrations of this material may cause respiratory irritation.
Skin contact	Harmful in contact with skin. However, product may be irritating, but is unlikely to cause anything more than mild transient discomfort.
Eye contact	This product may be irritating to eyes, but is unlikely to cause anything more than mild transient discomfort.
Ingestion	Harmful if swallowed. Possible symptoms of exposure include: nausea, vomiting and convulsions and diarrhea.

Other Information

The Australian Acceptable Daily Intake (ADI) for amitrole is set at 0.0003 mg/kg/day, set for the

public for daily, lifetime exposure. This is based on the NOAEL of 0.025mg/kg/day.

*ADI= Acceptable Daily Intake; NOAEL: No Observable Adverse Effect Level. Data adopted from APVMA ADI List, Edition 4/2022, December 2022.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

Not toxic to birds or bees

Aquatic Organisms:

Toxic to aquatic life with long lasting effects

Persistence /Degradability

Amitrole has low soil persistence with half-life of 14 days.

Other Precautions Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

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:	UN3082
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (contains Amitrole)
Class:	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:	UN3082
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (contains Amitrole)
Class:	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 0439 933 556
Ask for Murray Goodlich