


SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name:	Kenso Agcare Isolate 750 WG Herbicide
Product Type:	Group H Herbicide
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 and suppression of various broadleaf weeds and grasses in sugarcane and chickpeas as specified in the Directions for Use table.

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:	Reproductive toxicity – Category 2 Hazardous to the aquatic environment, long-term – Chronic 1
GHS Signal Word:	WARNING
Hazard statements:	H361: Suspected of damaging fertility or the unborn child. H410: Very toxic to aquatic life with long lasting effects.
Prevention:	P201: Obtain special instruction before use. P202: Do not handle until all safety precautions have been read and understood. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response:	P308+P313: IF exposed or concerned: Get medical advice/attention. P391: Collect spillage.
Storage:	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

Emergency Overview

Physical Description & colour: Beige granules

Odour: Weak, characteristic odour.

Major Health Hazards: Products will irritate the eyes and skin. Avoid contact with eyes and skin.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Isoxaflutole	141112-29-0	75%
Kaolin	1332-58-7	5 – 15 %
Inert ingredients	secret	To 100%

SECTION 4 – FIRST AID MEASURES

General Information:

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

Inhalation:	Remove to fresh air until recovered. Keep patient warm at rest. Give oxygen or artificial respiration if needed.
Skin contact:	Remove contaminated clothing and laundry before use. 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 with water. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Advice to Doctor:

Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazards

Dangerous Decomposition or Combustion Products

Thermal Decomposition

Fire decomposition products from this product may release carbon monoxide (CO), carbon dioxide (CO₂), nitrogen oxides (NO_x), sulphur oxides, hydrogen fluoride. Take appropriate protective measures.

Extinguishing Media

Use water fog, foam, dry agent (carbon dioxide, dry chemical powder). Ensure that no spillage enters drains or water courses.

Fire Fighting

If a significant quantity of this product is involved in a fire, call the fire brigade. Fire-fighter should wear appropriate protective equipment with self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Sweep up or vacuum up the spillage and collect in suitable container for disposal. Collect and transfer spilled products into a properly labelled and tightly closed container, Clean floors and contaminated objects with water. Retain and dispose of contaminated wash water. Do not allow to contaminate streams, rivers or waterways with this product or the used containers. If the products contaminate the waterbodies, inform respective authorities.

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

If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face-shield and contaminated clothing.

Storage

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

None establish for formulated product. Kaolin TWA = 10 mg/m³.

Engineering Controls

Use only in area with appropriate exhaust ventilation. Avoid formation of dust.

Personal Protection

Product will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, elbow-length PVC gloves and face shield or goggles. When using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat and elbow-length PVC gloves. Wash hands after use. After each day's use wash gloves, face shield or goggles and contaminated clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Water dispersible granule
Colour:	Beige
Odour:	weak, characteristic odour
pH:	4.0 – 6.0 (1% water solution)
Boiling Point (°C):	Not available

Flashpoint:	Non flammable
Vapour Pressure:	Not available
Specific gravity:	Not available
Water Solubility:	Dispersible

SECTION 10 – STABILITY AND REACTIVITY

Reactivity

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

Conditions to Avoid

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight.

Incompatibilities

No information available.

Fire Decomposition

Fire decomposition products from this product may release carbon monoxide (CO), carbon dioxide (CO₂), nitrogen oxides (NO_x), sulphur oxides, hydrogen fluoride. Take appropriate protective measures.

Polymerisation

This product will not undergo polymerisation reactions.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data

Acute Toxicity – Oral

LD50 (rat): >5000 mg/kg

Acute Toxicity - Dermal

LD50 (rabbit) = > 2000mg/kg

Acute Toxicity – Inhalation:

LC₅₀ (rat) (4hr): 5.26 mg/l

Skin irritation: SLIGHT IRRITANT

Eye irritation: SLIGHT IRRITANT

Sensitization: NON SENSITISER

Potential Health Effects

Health Effects

Product will irritate the eyes and skin. Avoid contact with eyes and skin.

Acute:

Inhalation: Product is not harmful. It may be irritating but unlikely to cause anything more than mild transient discomfort.

Skin contact: Product irritates the skin. Symptoms including itchiness and reddening of contacted skin area. Symptoms should disappear once exposure ceased and first aid measure taken.

- Eye contact:** Cause irritation. Symptoms including stinging, reddening of eyes and watering which may become copious. Symptoms should disappear once exposure ceased and first aid measure taken.
- Ingestion:** Significant oral exposure is unlikely. Products maybe mildly irritating to mucous membrane. It is unlikely to cause anything more than mild transient discomfort. Administer activated charcoal and sodium sulphate.

Reproductive Toxicity

Isoxaflutole did not cause reproductive toxicity in a two-generation study in rats.

Mutagenicity

Data indicates no mutagenic effects or genotoxic effects in vivo and in vitro tests.

Carcinogenicity

High dose level of isoxaflutole caused increased incidence of tumors in rodent liver. However the tumor type observed are not relevant to humans.

Other Information

The Australian Acceptable Daily Intake (ADI) for Isoxaflutole is set at 0.02 mg/kg/day with corresponding NOAEL is set at 2 mg/kg/day.

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

SECTION 12 – ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects. DO NOT contaminate streams, rivers or waterways with this product or the used containers, as this product may cause injury to non-target plants and vegetation, particularly aquatic plants and algae.

Ecotoxicity data (of technical)

Acute Toxicity – Bird

LD₅₀ mallard duck: >2150 mg/kg

Acute Toxicity – Fish

LC₅₀ rainbow trout (96 hrs): >65.0 mg/L

Acute Toxicity – Crustaceans

Daphnia magna EC₅₀ (48 hrs): 5 mg/L

Acute Toxicity – Other organisms

Algae: EC₅₀ *Desmodesmus subspicatus* (72 hrs): 10.5 mg/L

Aquatic plants: EC₅₀ *Lemna gibba* (9d): 0.001439 mg/L

ENVIRONMENTAL FATE

Isoxaflutole is moderately mobile in soils and not rapidly biodegradable. It possesses bioaccumulative potential.

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 SUBSTANCES, SOLID, N.O.S. (contains ISOXAFLUTOLE)
Class: 9
Packaging group: III
Hazchem: 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. Ref: ADG7; SP No. AU01.

IMO-IMDG

UN Number: 3077
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (contains ISOXAFLUTOLE)
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