


SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name:	Kenso Agcare Metribuzin 750 WG Herbicide
Product Type:	Group C Herbicide
Company Name:	Kenso Corporation (M) Sdn Bhd
Address:	Level 1, 98 Commercial Road, Teneriffe, 4005 QLD.
Telephone Number:	(07) 3216 1188
Facsimile Number:	(07) 3216 0388
Emergency Telephone Number:	000 (Police or Fire Brigade) 13 11 26 (Poisons Information Centre)
Use:	For the control of selective weed control in cereals, pastures and other crops, including vegetables, as indicated in the directions 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:	H302: Harmful if swallowed. H410: Very toxic to aquatic life with long lasting effects.
Prevention:	P264: Wash contacted area thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P273: Avoid release to the environment.
Response:	P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330: Rinse mouth. P391: Collect spillage.
Disposal:	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: Off-white to beige water dispersible granules.
Odour: Distinctive thiol odour.
Major Health Hazards: No major health hazard is known.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Metribuzin	21087-64-9	75%
Inert ingredients	secret	to 100%

SECTION 4 – FIRST AID MEASURES

Inhalation:	Not volatile. Inhalation of dust may cause respiratory irritation. Remove affected persons into fresh air.
Skin contact:	Remove contaminated clothing and wash affected skin thoroughly with soap and water. .
Eye contact:	Hold eyes open, flood with water for at least 15 minutes. Seek medical advice.
Ingestion:	If swallowed give two glasses of water immediately and induce vomiting. Seek medical advice.

Advice to Doctor

Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard

Dangerous decomposition or Combustion Products

Thermal decomposition

None

Hazardous decomposition products

Carbon dioxide, carbon monoxide, nitrogen oxides, water.

Hazardous reactions

Avoid oxidising agents. Strong acids or alkalis will slowly decompose simazine.

Extinguishing Media

Use water spray, foam, dry chemical or carbon dioxide.

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:

TLV (ACGIH): 5mg/m³ 8hr TWA

Engineering Controls:

Well ventilated

Personal Protection:

Wear safety glasses or goggles when handling or during other activities where there is potential for eye contact. Wear full body clothing and impervious gloves to prevent skin contact. Remove contaminated clothing promptly. Launder clothing and wash protective equipment before and re-use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Water dispersible granules
Colour:	Off-white to beige
Odour:	distinctive thiol odour
Boiling point (°C):	Not applicable
Vapour Pressure:	Not applicable
Specific Density:	Not applicable
Flashpoint:	Not applicable
Flammability Limits:	Non flammable
Solubility in Water:	Not soluble in water, disperses in water with moderate agitation.

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability:	This product is stable under normal storage conditions.
Conditions to Avoid:	None.
Incompatibilities:	None.
Hazardous Polymerization:	Hazardous polymerization is not possible.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data:

For metribuzin (active)
Acute oral LD₅₀ for rats > 2000 mg/kg
Acute percutaneous LD₅₀ for rats > 20 000 mg/kg

Potential Health Effects

Health Effects

Acute:

- Inhalation:** Non-volatile. Dust may be slightly toxic if inhaled over long periods.
- Skin contact:** Practically non-toxic.
- Eye contact:** Moderately irritating.
- Ingestion:** Slightly toxic, if swallowed. Oral LD50 (rats) 2800 mg/kg.

Chronic:

Liver and kidney damage has been noted in laboratory animals that have been fed excessive doses of metribuzin.

Other Information

The Australian Acceptable Daily Intake (ADI) for metribuzin 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, Sept 2019.

SECTION 12 – ECOLOGICAL INFORMATION

Known Harmful Effects on the Environment

Highly soluble in water and has a low tendency to adsorb to most soils.

Other Precautions

Environ. Protection

Do not apply directly to water or to areas where surface water is present.

Persistence / Degradability

Half-life of metribuzin in pond water is seven days.

Acute Toxicity - Fish

Slightly toxic to fish.

LC₅₀ (96 hrs) 64 – 76 mg/L in rainbow trout

80 mg/L in bluegill sunfish

Acute Toxicity – Other Organisms

Moderately toxic to freshwater invertebrates

Non-toxic to bees

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

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.
UN Number (Sea Transport):	3077
IMO Class/Packing Group:	Class 9; Packing Group III
IMO Marine Pollutant:	Marine Pollutant
IMO Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains Metribuzin)
Hazchem code:	2Z

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