SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name:	**Kenso Agcare Guru 750 WG Herbicide**
Product Type:	Group 2 Herbicide
Company Name:	Kenso Corporation (M) Sdn Bhd
Address:	Level 1, 98 Commercial Road, Teneriffe QLD 4005
Telephone Number:	(07) 3216 1188
Emergency Telephone Number:	000 (Police or Fire Brigade) **13 11 26 (Poisons Information Centre)**
Use:	For the control of certain broadleaf weeds in fallows and pre-crop situation as per the Direction 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:	Skin sensitization – Category 1 Hazardous to the aquatic environment, long term – Chronic 1
GHS Signal Word:	**WARNING**
Hazard statements:	H317: May cause an allergic skin reaction. H410: Very toxic to aquatic life with long lasting effects.
Prevention:	P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P272: Contaminated work clothing should not be allowed out of the workplace. P273: Avoid release to the environment. P280: Wear protective gloves.
Response:	P302+P352: IF ON SKIN: Wash with plenty of soap and water. P333+P313: If skin irritation or rash occurs: Get medical advice/ attention. P321: Specific treatment (see FIRST AID on this label) P362+P364: Take off contaminated clothing and wash it before reuse. P391: Collect spillage.
Disposal:	P501: Dispose of contents and containers as specified on the registered label.
SUSMP Classification:	S5
ADG Classification:	Not dangerous good.
UN Number:	None allocated

Emergency Overview

Physical Description & colour: Tan to brown granule
Odour: Characteristic
Major Health Hazards: No major health hazard is known.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Tribenuron-methyl	101200-48-0	75%
Inert ingredients	secret	to 100%

SECTION 4 – FIRST AID MEASURES

Inhalation	If affected, remove from contaminated area to fresh air.
Skin contact	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Properly dispose of contaminated leather items, such as shoes, belts and watchbands.
Eye contact	Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist.
Ingestion	If swallowed, seek medical attention. Do not induce vomiting. Do not give anything by mouth to an unconscious person.

Advice to Doctor
Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard
There is no risk of an explosion from this product under normal conditions if it is involved in a fire.
Hazardous decomposition products
If involved in a fire, the dehydrated components may emit toxic fumes.
Hazardous reactions
Not known to occur.
Extinguishing Media
Suitable extinguishing media are carbon dioxide, dry chemical, foam, water fog.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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: Sweep granules and shovel or collect recoverable product into labeled containers for recycling or salvage, and dispose of promptly.
Prepared spray spill: Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labeled containers for recycling or salvage, and dispose of promptly.
Wash the spill area with detergent and water.
Launder protective clothing before storage or re-use.

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:
Exposure limits have not been established for any of the significant ingredients in this product.
Engineering Controls:
Handle in well ventilated areas that is adequate ventilation to keep exposure below the TWA levels.
Personal Protection:
Eye/face protection
Use chemical goggles. Eye wash fountain should be located in immediate work area.
Skin protection:
Use protective clothing chemical resistant to this material. Selective of specific items such as face shield, boots, apron or full body suit will depend on the task. Remove contaminated clothing immediately, wash skin area with soap and water and launder clothing before reuse or dispose of properly.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Granule
Colour:	Tan to brown

Odour:	Characteristic
Melting point (°C):	142°C
Vapour Pressure:	5.2 x 10^{-5} mPa at 25°C
Specific Density:	1.5
Flashpoint:	Does not burn
Flammability Limits:	Not available
Solubility in Water:	Dispersible

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability:
This product is stable 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:
Strong oxidizing agents, strong acids and strong bases.
Fire decomposition:
Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen.
Hazardous Polymerization:
Hazardous polymerization is not possible.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data:

Tribenuron-methyl:
Acute Toxicity:
Oral- LD_{50} (rats): >5000 mg/kg
Percutaneous- LD_{50} (rabbits): >5000 mg/kg
Inhalation- LC_{50} (4h) (rats): >5.0 mg/L

Non-irritating to skin and eyes (rabbits)

Mildly sensitising to skin (guinea pig maximisation test)

Potential Health Effects

Health Effects

Acute:

Inhalation: Product may be mildly irritating, although unlikely to cause anything more than transient discomfort.

Skin contact: Classified as a potential sensitiser by skin contact. Exposure to a skin sensitiser, once sensitisation has occurred, may manifest itself as skin rash or

inflammation and in some individuals this reaction can be severe. In addition, product may be irritating, but is unlikely to cause anything more than mild transient discomfort.

Eye contact: May cause slightly irritation. Symptoms may include stinging and reddening of eyes and watering which may become copious.

Ingestion: Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Other information:
The ADI for Tribenuron-methyl ester is set at 0.01 mg/kg/day. The corresponding NOAEL is set at 0.95 mg/kg/day. ADI means Acceptable Daily Intake and NOAEL means No-observable-adverse-effect-level. **Data adopted from Australia ADI List, December 2023.*

SECTION 12 – ECOLOGICAL INFORMATION

Known Harmful Effects on the Environment
Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
Birds: LD_{50} bobwhite quail: >2250mg/kg

Mallard ducks: LC50: >5620 mg/kg
Fish: LC_{50} (96h) rainbow trout: 738 mg/L

Bees: LD_{50} (contact) honeybees: >100µg/bee

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems. Half-life of Tribenuron-methyl in soil is 1 to 7 days. No significant photodecomposition under field conditions. Soil degradation occurs by hydrolysis and by direct microbial degradation. Hydrolysis is affected by soil pH, being faster in acidic than in alkaline soils. Losses due to volatilization are not significant.

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:	None allocated.
Proper shipping name:	None allocated.
Class:	None allocated.

Packaging group:	None allocated.
Storage and Transport:	Not a dangerous good.

IMO-IMDG

UN Number:	None allocated.
Proper shipping name:	None allocated.
Class:	None allocated.
Packaging group:	None allocated.
Marine pollutant:	None allocated.

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