SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name:	**Kenso Agcare Gundy 240 Herbicide**
Product Type:	Group 2 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 pre-emergence control of certain annual grass and broadleaf weeds in fallow situations and sugarcane.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification:	Classified as non-hazardous according to criteria of Safe Work Australia. Not classified as a Dangerous Good according to the ADG Code.
GHS Signal Word:	**NONE. Not hazardous**
SUSMP Classification:	N/A
ADG Classification:	None allocated. Not a dangerous good.
UN Number:	None allocated.

Emergency Overview

Physical Description & colour: Clear amber to green brown liquid
Odour: Mild ammonia odour
Major Health Hazards: No major health hazard is known.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Imazapic (present as ammonium salt)	104098-48-8	24%
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 Hazards
Dangerous decomposition or Combustion Products
Thermal decomposition
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 oxides of carbon and oxides of nitrogen.
Hazardous reactions
Not known to occur.
Extinguishing Media
Not combustible. Use extinguishing media suited to burning materials.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills and Disposal
Contain spill and absorb with clay, sand, soil or commercially available absorbent material.
Personal Protection
Wear a face shield or goggles, overalls buttoned to neck and wrist, chemical resistant gloves and boots.
Environmental Precautions
Prevent entry into waterways and drains.

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:
No exposure standards have been set for this product.
Engineering Controls:
Handle in well ventilated areas, generally natural ventilation is adequate. If natural ventilation is inadequate, use of a fan is suggested.
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:	Liquid
Colour:	Clear amber to green brown
Odour:	Mild ammonia
Boiling point (ºC):	Approximately 100°C at 100kPa.
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure)
Specific Gravity:	1.070-1.090
Flashpoint:	Non flammable
Solubility:	Soluble

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:]
Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Decomposition products can include and are not limited to: carbon monoxide, carbon dioxide and nitrogen oxides.
Hazardous Polymerization
Hazardous polymerization is not possible.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data (On Imazapic technical)

Acute Toxicity – Oral
LD_{50} (rats): >5000 mg/kg
Acute Toxicity – Dermal
LD_{50} (rats): >5000 mg/kg
Acute Toxicity – Inhalation
LC_{50} (rats): 4.83 mg/L
Local Effects:
Target organs: There is no data to hand indicating any particular target organs.

Potential Health Effects

Health Effects

Acute:

Inhalation: Product may be mildly irritating, although unlikely to cause anything more than transient discomfort.
Skin contact: This product is not harmful and no hazard to normal use. However product may be irritating.
Eye contact: May cause slightly irritation.
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:
Australia ADI for imazapic is set at 0.3 mg/kg/day with corresponding NOEL is set at 137 mg/kg/day. **ADI= Acceptable Daily Intake; NOEL: No Observable Effect Level. Data adopted from Australia ADI List, September 2024.*

SECTION 12 – ECOLOGICAL INFORMATION

Known Harmful Effects on the Environment
Spray drift can cause damage, read the label for more information.
Other Precautions
Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

Ecotoxicity – Other organisms
Birds: LD_{50} bobwhite quail: >2150mg/kg
Mallard ducks: LC_{50} (8d): >5000 ppm
Fish: LC_{50} (96h) channel catfish, rainbow trout and bluegill sunfish: > 100mg/L
Bees: LD_{50} (contact): >100µg/bee

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

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	N/A
Packaging & Labelling	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	1800 951 288 03 9573 3188