SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name:	**Kenso Agcare Rebelion Gold Herbicide**
Product Type:	Group 15 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 control of annual ryegrass (lolium rigidum) and toad rush (juncus bufonius) in barley and wheat.

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 corrosion/irritation - Category 2
Skin sensitization – Category 1
Serious eye damage/eye irritation – Category 2/2A
Hazardous to the aquatic environment, long term – Chronic 2

GHS Signal Word: **WARNING**

Hazard statements:
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation
H411: Toxic to aquatic life with long lasting effects.

Prevention:
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash contacted areas thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of workplace.
P273: Avoid release to the environment.
P280: Wear protective glove and eye protection/face protection.

Response:
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see FIRST AID on this label)
P333+P313: If skin irritation or rash occurs: Get medical advice/ attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P391: Collect spillage.

Disposal:	P501: Dispose of contents/container as specified on the registered label
SUSMP Classification:	S6
ADG Classification:	Not dangerous good
UN Number:	Non allocated

Emergency Overview

Physical Description & colour: Light yellow liquid
Odour: Aromatic hydrocarbon
Major Health Hazards: Will irritate the eyes and skin. Repeated exposure may cause allergic disorders.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Prosulfocarb	52888-80-9	80%
S-metolachlor	87392-12-9	12%
Other ingredients		To 100%

SECTION 4 – FIRST AID MEASURES

Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop
Skin contact:	In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if irritation develops and persists.
Eye contact:	In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek immediate medical attention
Ingestion:	If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Advice to Doctor:
Treat symptomatically

SECTION 5 – FIRE FIGHTING MEASURES

Thermal decomposition
Combustion formed water and carbon dioxide and if incomplete, carbon monoxide and possibly smoke. May form nitrogen and its compounds, under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmosphere. Oxides of sulphur and other sulphur compounds may formed (sulfur dioxide is a respiratory hazard). Most will have foul odor. Carbon monoxide poisoning symptoms includes headaches, weakness, nausea, dizziness, confusion, dimness of vision, disturbance in judgement and unconsciousness follow by coma and death.

Extinguishing Media
Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder)

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
In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. Stop leak if safe to do so, and contain spill. Absorb onto sand, or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways.
Personal Protection
Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

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. DO NOT store for prolonged period in direct sunlight. DO NOT store near food, feedstuffs and fertilizer.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:
None established for formulated product
Engineering Controls:
Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.
Personal Protection:
Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Avoid inhaling vapour or spray mist. When preparing spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and a face-shield or goggles. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Light yellow to amber
Odour:	Aromatic hydrocarbon
Vapour Pressure:	No data available
Specific Gravity:	1.045 ± 0.01
Flashpoint:	> 90 °C
Flammability:	Non flammable
Solubility:	Emulsify in water

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability
This product is unlikely to react or decompose under normal storage conditions.
Conditions to avoid
No decomposition if used as directed.
Incompatibilities
Stronge acide, strong bases and strong oxidising agent.
Polymerisation
Hazardous polymerization is not possible.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data (GHS ATE estimation)
Acute Toxicity – Oral
LD_{50} (rats) >2000 mg/kg
Acute Toxicity – Dermal
LD_{50} (rats) >2000 mg/kg
Skin irritation (rabit): Slight skin irritant
Eye irritation (rabbit): Eye irritant
Sensitization (guinea pig): Skin sensitizer

Potential Health Effects

Health Effects

Acute:

Inhalation:	May cause mild respiratory irritation.
Skin contact:	May cause skin irritation, unlikely to cause anything more than mild transient discomfort
Eye contact:	May cause mild eye irritation
Ingestion:	May be harmful if swallowed.

Chronic:
No information available

Other Information
The Australian ADI for prosulfocarb is set at 0.02 mg/kg/day and s-metolachlor set at 0.08 mg/kg/day with corresponding NOAEL for prosulfocarb at 1.9 mg/kg/day and s-metolachlor at 7.5 mg/kg/day.

**ADI= Acceptable Daily Intake; NOAEL: No Observable Adverse Effect Level. Data adopted from Australia ADI List, September 2024.*

SECTION 12 – ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.

Effects on aquatic organisms

LC_{50} (96 hr) in rainbow trout is 3.5 mg/l
EC_{50} (48 hr) in daphnia is 0.56 mg/l
EC_{50} (72 hr) in green alga is 0.121 mg/l

Acute Toxicity – Other Organisms

May cause long-term adverse effects to the aquatic environment. Insufficient data to be sure of status.

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:	3082
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains PROSULFOCARB AND S-METOLACHLOR)
Class:	9
Packaging group:	III
Hazchem:	3Z
Transport and Storage:	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:	3082
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains PROSULFOCARB AND S-METOLACHLOR)
Class:	9
Packaging group:	III
Marine pollutant:	Yes

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	1800 951 288 03 9573 3188