SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name:	**Kenso Agcare Rebelion 800 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 the control of Annual Ryegrass (*Lolium rigidum*) and other grass and broadleaf weeds in Barley and Wheat as per 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.

Classification of the Hazardous Chemical:	Flammable liquids – Category 4 Skin corrosion/ irritation – Category 2 Skin sensitization – Catgory 1,1A and 1B Serious eye damage/ eye irritation – Category 2,2A Hazardous to the aquatic environment, long-term – Chronic 2
GHS Signal Word:	**WARNING**
Hazard statements:	H227: Combustible liquid. 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:	P210: Keep away from heat/ sparks/ open flames/ hot surfaces. - No smoking. 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 the workplace. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/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 before reuse. P370+P378: In case of fire: Use water fog, foam, dry agent (carbon dioxide, dry chemical powder) to extinguish. P391: Collect spillage.
Storage:	P403: Store in a well-ventilated place.
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: Light yellow to amber liquid.
Odour: Aromatic hydrocarbon odour.
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 %
Inert ingredients	secret	To 100%

SECTION 4 – FIRST AID MEASURES

General Information:
If poisoning occurs, contact a doctor or Poisons Information Centre (Tel: 131126).

Inhalation:	Remove to fresh air, keep warm and at rest. Give artificial respiration or oxygen if breathing is irregular or stopped. Get medical attention immediately.
Skin contact:	Remove contaminated clothing immediately and wash affected areas or skin 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 and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Advice to Doctor:
Treatment is symptomatic.

SECTION 5 – FIRE FIGHTING MEASURES

Specific Hazard
Product is a combustible liquid, C1.
Fire/Explosion Hazard
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
Extinguish fire with foam, dry powder, carbon dioxide or water spray. Alcohol resistant foam is preferred but if unavailable, normal foam can be used.
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 and Disposal
Ensure suitable personal protection (including respiratory protection) during removal of spillage. Contain spill and absorb with sand or other absorbent material. Do not allow to enter drains, sewers and watercourses. Collect in sealed open top container for disposal. Triple rinse containers, add rinsings to spray tanks and send containers for recycling or if not recycling, break, crush or puncture and bury empty containers in a local authority landfill or in accordance with local,state or federal regulation. Do not dispose of undiluted chemicals on site.
Personal Protection
For appropriate personal protective equipment (PPE), refer Section 8.

SECTION 7 – HANDLING AND STORAGE

Handling
When opening the container, preparing the product for use and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical-resistant gloves and face shield or goggles. In addition, when opening the container and mixing and loading, wear a disposable mist face mask covering mouth and nose. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves and face shield or goggles and contaminated clothing.
Storage
Store in closed original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT store near food, feedstuffs, fertilisers or seed.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:
None establish for formulated product.
Engineering Controls:
Well ventilated area. If natural ventilation is inadequate, use of a fan is recommended. Keep containers closed when not in use.
Personal Protection:
Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. Avoid contact with eyes and skin. When opening the container, preparing the product for use and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical-resistant gloves and face shield or goggles. In addition, when opening the container and mixing and loading, wear a disposable mist face mask covering mouth and nose. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves and face shield or goggles and contaminated clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Light yellow to amber
Odour:	Aromatic hydrocarbon odour
Boiling point (°C):	Not available
Vapour Pressure:	Not available
Flashpoint:	90°C
Specific Gravity:	1.02 $\pm$ 0.01
Solubility	Emulsify in water

SECTION 10 – STABILITY AND REACTIVITY

Reactivity
This product is stable under normal storage conditions.
Conditions to Avoid
Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.DO NOT store near food, feedstuffs, fertilisers or seed.
Incompatibilities
Strong acid, strong bases and strong oxidising agent.
Fire Decomposition
Hazardous products of combustion: See Section 5.
Polymerisation
Hazardous polymerisation is not possible.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data (technical)
Acute Toxicity – Oral
LD_{50} (male rat): 1820 mg/kg
Acute Toxicity – Dermal
LD_{50} (rabbit): >2000 mg/kg
Acute Toxicity – Inhalation
LC_{50} (rat) (4hr): >4.7 mg/l.
Skin irritation: SLIGHT IRRITANT
Eye irritation: IRRITANT
Sensitization: NON SENSITISER

Potential Health Effects

Health Effects

Product will irritate the eyes and skin. Repeated exposure may cause allergic disorders.
Person sensitised to prosulfocarb should avoid contact with this product.
Sign and symptoms with mild exposures include: headache, fatigue, dizziness, loss of appetite with nausea, stomach cramps, diarrhoeas; blurred vision associated with excessive tearing; contracted pupils of eyes; excessive sweating and salivation; slowed heartbeat often fewer than 50 per minutes; rippling of surface muscle under the skin. These symptoms can be mistakenly diagnosed for flu, heat stroke, heat exhaustion or upset stomach. Severe sign and symptoms include victims unable to walk, chest discomfort and tightness, marked constriction of pupils (pinpoint pupils); exhibit muscle twitching; has voluntary urination and bowel movement. Severe poisoning is indicated by incontinence, unconsciousness and seizures.

Acute:

Inhalation: Symptoms are described as above.

Skin contact: Symptoms are described as above.

Eye contact: Cause irritation. Symptoms including stinging, reddening of eyes and watering which may become copious. Symptoms should disappear once exposure ceased. Lengthy exposure or delay treatment may causepermanent damage.

Swallowed: Symptoms are described as above.

Reproductive Toxicity
No evidences of reproductive effects relevant to human exposure was obtained.
Mutagenicity
Data indicates no mutagenic effects.
Carcinogenicity
Prosulfocarb is not classified as human carcinogen.

Other Information
The Australian ADI for prosulfocarb is set at 0.02 mg/kg/day withcorresponding NOEL is set at 1.9 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.

Ecotoxicity data (technical)
Acute Toxicity – Fish
LC_{50} for rainbow trout (96 hr): 1.7 mg/l.
Acute Toxicity – Daphnia
EC_{50} (48 hr): 1.3 mg/l.
Acute Toxicity – Algae
LC_{50} (96hr) for *Scenedesmus subspicatus* is 0.193 mg/l.
Acute Toxicity – Other Organisms
Bees: LD_{50} (48 hr): >79 µg/bee.
Worms: LC_{50}: 144 mg/kg

ENVIRONMENTAL FATE
Prosulfocarb is persistent in water but not persistent in soil. It undergoes microbial degradation in soil with DT_{50} 12-49 days. Prosulfocarb has slight mobility in soil. Prosulfocarb bioaccumulates.

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)
Class:	9
Packaging group:	III
Hazchem:	3Z
Storage and Trasport:	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)
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