SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name:	**Kenso Agcare Prairie 755 Herbicide**
Product Type:	Group 4 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 a range of woody weeds and melons as specified in the directions 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:
Acute toxicity (Oral) – Category 4
Skin sensitization – Category 1
Serious eye damage/eye irritation – Category 2/2A
Hazardous to the aquatic environment, long term – Chronic 1

GHS Signal Word: **WARNING**

Hazard statements:
H302: Harmful if swallowed.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H410: Very 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.
P270: Do not eat, drink or smoke when using this product.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves, protective clothing and eye or face protection.

Response:
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
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)

	P330: Rinse mouth. 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:	N/A
UN Number:	N/A

Emergency Overview

Physical Description & colour: Amber liquid.
Odour: Aromatic hydrocarbon odour.
Major Health Hazards: Harmful if swallowed. May irritate the nose and throat. Will irritate the eyes and skin. Repeat exposure may cause allergic disorders. Avoid contact with eyes and skin.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Triclopyr butoxyethyl ester	64700-56-7	75.5%
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 shallow or stopped. Get medical attention immediately.
Skin contact:	Remove contaminated clothing and wash affected areas or skin with soap and water. Seek medical advice if irritation develops.
Eye contact:	Hold the eyes and flush immediately with plenty of water. Seek medical advice if irritation develops.
Ingestion:	If swallowed, do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Australia). Make every effort to prevent vomit from entering the lungs by careful placement of the patient. Give a glass of water.

Advice to Doctor:
Treatment is symptomatic.
If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard
Product is a combustible liquid, (C2)
Dangerous decomposition or Combustion Products
Thermal decomposition
May produce irritating vapours under fire conditions. Nitrogen oxides, hydrogen chloride and phosgene may be evolved when material is involved in fires.
Extinguishing Media
Extinguish fire with foam, dry powder, carbon dioxide or water spray.
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 and preparing the product for use and using product by groundboom application, wear cotton overalls buttoned to neck and wrist (or equivalent clothing) and elbow length chemical resistant gloves and face shield or goggles.
When opening the container and preparing the product for use by aerial application, wear cotton overalls buttoned to neck and wrist (or equivalent clothing) and elbow length chemical resistant gloves and face shield or goggles and half piece respirator.
If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves and goggles and respirator and if rubber wash with detergent and warm water 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.

Ingredient	TWA mg/m^3
Triclopyr acid	4

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:
Harmful if swallowed. May irritate the nose and throat. Will irritate the eyes and skin. Repeat exposure may cause allergic disorders. Avoid contact with eyes and skin. When opening the container and preparing the product for use and using product by groundboom application, wear cotton overalls buttoned to neck and wrist (or equivalent clothing) and elbow length chemical resistant gloves and face shield or goggles.
When opening the container and preparing the product for use by aerial application, wear cotton overalls buttoned to neck and wrist (or equivalent clothing) and elbow length chemical resistant gloves and face shield or goggles and half piece respirator.
If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves and goggles and respirator and if rubber wash with detergent and warm water and contaminated clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Amber
Odour:	Aromatic hydrocarbon odour
Boiling point (°C):	>200°C
Vapour Pressure:	Not available
Flashpoint:	>100°C
Flammability:	Combustible Liquid, (C2)
Specific Gravity:	1.26 $\pm$ 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 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
Nitrogen oxides, hydrogen chloride and phosgene may be evolved when material is involved in fires.
Polymerisation
Hazardous polymerisation is not possible.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data
Acute Toxicity – Oral
LD_{50} (rat): 803 mg/kg for triclopyr butoxyethyl ester
Acute Toxicity – Dermal
LD_{50} (rabbit): >2000 mg/kg for triclopyr butoxyethyl ester
Acute Toxicity – Inhalation
LC_{50} (rat) (4hr): >4.8 mg/l for triclopyr butoxyethyl ester
Skin irritation: Skin contact causes moderate irritation with redness, drying or flaking of skin.
Eye irritation: IRRITANT
Sensitization: Potential contact allergen in mice

Potential Health Effects

Health Effects
Harmful if swallowed. May irritate the nose and throat. Will irritate the eyes and skin. Repeat exposure may cause allergic disorders.

Acute:

Inhalation: Irritating to respiratory system, although unlikely to cause anything more than mild transient comfort.

Skin contact: Cause irritation. Will have degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

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

Swallowed: The material is moderately discomforting to the gastro-intestinal tract and may be harmful if swallowed in large quantity. If liquid enters lungs may cause lung damage due to chemical pneumonia, a condition caused by solvents.

Chronic:
In extreme cases the solvent present may adversely affect liver and kidney.
Reproductive Toxicity
Triclopyr has been toxic to fetus in laboratory animals at doses toxic to the mother. Did not cause birth defects in laboratory animals.
Mutagenicity
Data indicates no mutagenic effects. In vitro genetic toxicity and animal genetic toxicity both shown negative result.
Carcinogenicity
Triclopyr has been assessed in animals and some data exists that triclopyr is a substance which causes some concern for humans owing to possible carcinogenic effects from long term exposure, but in respect of which the available information is not adequate for making a satisfactory assessment.

Other Information
The Australian ADI for triclopyr is set at 0.005 mg/kg/day, and the corresponding NOAEL is at 0.5 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

Very toxic to aquatic life with long lasting effects.

Ecotoxicity data
Acute Toxicity – Fish
The following is data for the active ingredient, triclopyr as the butoxyethyl ester.
LC_{50} (96 hr) for the most sensitive species tested is 0.31 mg/l.
Acute Toxicity – Daphnia
EC_{50} (48 hr) for daphnia is 0.66 mg/l for triclopyr butoxyethyl ester.
Acute Toxicity – Algae
LC_{50} (48hr) for algae is 0.193 mg/l.
Acute Toxicity – Other Organisms
Bees: Not toxic to bees. LD_{50} >100 µg/bee.
LD_{50} for bobwhite quail is 735 mg/kg for triclopyr butoxyethyl ester

ENVIRONMENTAL FATE
Spray drift can cause damage, read the label for more information. Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.
Triclopyr butoxyethyl ester is rapidly hydrolysed to triclopyr acid in soil and water. Moderate potential for bioaccumulation.

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 TRICLOPYR)
Class:	9
Packaging group:	III
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

IMO-IMDG

UN Number:	3082
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains TRICLOPYR)
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