

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name:	Kenso Agcare Cossack 745 SL Herbicide
Product Type:	Group J Herbicide
Company Name:	Kenso Corporation (M) Sdn Bhd
Address:	Level 1, 98 Commercial Road, Teneriffe, 4005 QLD.
Telephone Number:	(07) 3216 1188
Facsimile Number:	(07) 3216 0388
Emergency Telephone Number:	000 (Police or Fire Brigade) 13 11 26 (Poisons Information Centre)
Use:	A component of integrated management of serrated tussock, giant parramatta grass, giant rat's tail grass, Chilean needle grass, African lovegrass and certain grasses as per the directions for use table.

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:	S6
ADG Classification:	None allocated. Not a dangerous good.
UN Number:	None allocated.

Emergency Overview

Physical Description & colour: Light yellow liquid.

Odour: slight odour.

Major Health Hazards: No significant risk factors have been found for this product.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Flupropanate (present as sodium salt)	22898-01-7	74.5%
Water	7732-18-5	To 100%

SECTION 4 – FIRST AID MEASURES

General Information:

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

Inhalation:	First aid is generally not required. Remove to fresh air, keep warm and at rest. If
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	in doubt, contact Poison Information Centre or doctor.
Skin contact:	Remove contaminated clothing and wash affected area 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:	Rinse mouth with water. Give plenty of water to drink. Do NOT induce vomiting. Seek medical assistance.

Advice to Doctor:

Treatment is symptomatic.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard

There is no risk of an explosion from this product if under normal circumstances if it is involved in fire.

Dangerous decomposition or Combustion Products

Thermal decomposition

Carbon dioxides, and if combustion is incomplete, carbon monoxide and smoke. Hydrogen fluoride gas and other compound of fluoride, water or sodium compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement and unconsciousness followed by coma and death. Take suitable protective measures.

Extinguishing Media

Not combustible. Use extinguishing media suited to burning materials.

Fire Fighting

If a significant quantity of this product is involved in a fire, call the fire brigade. There is little danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Fire-fighter should wear appropriate protective equipment with self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills and Disposal

Ensure suitable personal protection during removal of spillage. Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal. Do not allow to enter drains, sewers and watercourses. 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 handling this product, do not eat, drink or smoke.

When preparing spray wear elbow-length PVC gloves and face shield or goggles.

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. ADI for flupropanate is set at 0.002 mg/kg/day with corresponding NOEL is set at 5 mg/kg/day.

**ADI= Acceptable Daily Intake; NOEL: No Observable Effect Level. Data adopted from Australia ADI List, March 2016.*

Engineering Controls

Well-ventilated area.

Personal Protection

Avoid contact with eyes and skin. Do not inhale spray mist. When preparing spray wear elbow-length PVC gloves and face shield or goggles. If product on skin, immediately wash area with soap and 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 and face shield or goggles and contaminated clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Light yellow
Odour:	Slight odour
pH:	8 - 10
Vapour Pressure:	2.37 kPa @20°C
Specific Gravity:	1.45 @20°C
Flashpoint:	Non flammable
Solubility:	Soluble in water

SECTION 10 – STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions of handling and storage.

Conditions to Avoid

Store in the closed, original container in a cool, well-ventilated locked area away from children, animals, food, feedstuffs, seed and fertilisers. Do not store for prolonged periods in direct sunlight.

Incompatibilities

Strong acids, strong bases and strong oxidizing agents.

Fire Decomposition

This product is likely to decompose after heating to dryness, followed by further strong heating. Carbon dioxides, and if combustion is incomplete, carbon monoxide and smoke. Hydrogen fluoride gas and other compound of fluoride, water or sodium compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement and unconsciousness followed by coma and death.

Polymerisation

This product will not undergo polymerisation reactions.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data (of technical)

Acute Toxicity – Oral

LD₅₀ for rats: 11900 mg/kg body weight

Acute Toxicity – Dermal

LD₅₀ for rabbits: >4000 mg/kg body weight

Acute Toxicity – Inhalation

LC₅₀ (14d) for rats: >1740 mg/m³

Potential Health Effects

Health Effects

Avoid product contact with eyes and skin.

Acute:

Inhalation: Available data indicates that this product is not harmful. However, this product may be mildly irritating, but is unlikely to cause anything more than mild transient discomfort.

Skin contact: Prolonged or repeated exposure may cause skin irritation with skin redness, swelling, production of vesicles, scaling and thickening of skin.

Eye contact: May cause eye irritation. Symptoms include redness, pain and discomfort.

Ingestion: No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed due to low acute toxicity. Symptoms may include gastro-intestinal discomfort, nausea, vomiting, loss of muscle rigidity, cyanosis and incontinence.

Mutagenicity

No data available.

Carcinogenicity

Not classify as carcinogen.

Other Information

The Australian Acceptable Daily Intake (ADI) for flupropanate is set at 0.002 mg/kg/day with corresponding NOEL is set at 5 mg/kg/day. Values taken from Australia ADI List, March 2016.

SECTION 12 – ECOLOGICAL INFORMATION

Very low toxicity to birds and fish.

Ecotoxicity data (of technical)

Acute Toxicity – Bird

LD₅₀ male quail: 6750 mg/kg

LD₅₀ female quail: 11000 mg/kg

Acute Toxicity – Fish

LC₅₀ (48 hr) for rainbow trout: >10000 mg/L

ENVIRONMENTAL FATE

Field tests indicate that flupropanate is immobile but persistent in soil. Product is not readily biodegradable. However, it is likely to degrade slowly in soil or water and not causing long term problems.

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

UN Number:	None allocated.
Proper Shipping Name:	None allocated.
ADG Class:	None allocated. Not a dangerous good.
Hazchem Code:	None allocated.
Packing Group:	None allocated.

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 0439 933 556

Ask for Murray Goodlich