

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name:	Kenso Agcare Haloxyken 520 Herbicide
Product Type:	Group 1 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 post-emergent control of a wide range of annual and perennial grass weeds in grain legume and oilseed crops, lucerne, medic and clover pasture and seed crops, forestry, bananas, citrus, grapes, pineapples, pome and stone fruit, pyrethrum, tropical fruit and nut crops as specified in 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
Acute toxicity (Oral) – Category 4
Hazardous to the aquatic environment, short term – Acute 1
Hazardous to the aquatic environment, long term – Chronic 1

GHS Signal Word: **WARNING**

Hazard statements: H227: Combustible liquid.
H302: Harmful if swallowed.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

Prevention: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264: Wash contacted areas thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
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.
P330: Rinse mouth.
P370+P378: In case of fire: Use carbon dioxide, dry chemical, foam and water fog to extinguish.

Storage: P391: Collect spillage.
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: Brown liquid.

Odour: Aromatic odour.

Major Health Hazards: None

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Haloxyfop (present as P-methyl ester)	72619-32-0	52%w/v
Inert ingredients	secret	to 100%w/v

SECTION 4 – FIRST AID MEASURES

General Information:

If poisoning occurs, contact a doctor or Poisons Information Centre, Phone Australia 131 126.

Inhalation:	Remove to fresh air. Consult a physician.
Skin contact:	Remove contaminated skin with soap and water after removing contaminated clothing. Seek medical advice if irritation develops.
Eye contact:	Hold eyes open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eyes. Call doctor for treatment advice.
Ingestion:	Do not induce vomiting. Call a physician. The decision of whether to induce vomiting or not should be made by a physician.

Advice to Doctor:

Treatment is symptomatic.

SECTION 5 – FIRE FIGHTING MEASURES

Specific Hazard

Product is a combustible liquid, (C1)

Fire/Explosion Hazard

Dangerous Decomposition or Combustion Products

Thermal Decomposition

May produce noxious fumes that may contain toxic or irritating substances including hydrogen chloride and hydrogen fluoride.

Hydrogen chloride and hydrogen fluoride may be evolved in extreme situations.

Incompatibilities

Strong oxidizers.

Hazardous Reactions

None known

Extinguishing Media

Carbon dioxide, dry chemical, water fog.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Wear a face shield or goggles, overalls buttoned to neck and wrist, chemical resistant gloves and boots. Stop leak when safe to do so. Adsorb with material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal.

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:

None established for formulated product

Engineering Controls:

Well ventilated

Personal Protection:

Use safety glasses. Where contact with the liquid is likely, chemical goggles are recommended. Use protective clothing impervious to this material when prolonged or frequently repeated contact could occur.

Approved air-purifying respirator is used when comfort levels exceeded use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	brown
Odour:	Aromatic odour
Boiling Point (°C):	About 202 °C (solvent)
Vapour Pressure:	14 mm Hg (solvent)
Specific Gravity:	1.14 ± 0.01
Flashpoint:	Non flammable
Flammability:	Combustible Liquid, (C1)
Solubility:	Emulsify in water

SECTION 10 – STABILITY AND REACTIVITY

Hazardous Polymerization

Hazardous polymerisation is not possible.

Materials to Avoid

Strong oxidizers

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data (On Haloxyfop-methyl Technical)

Acute Toxicity – Oral

LD₅₀ for male rats: 393 mg/kg

LD₅₀ for female rats: 599 mg/kg

Skin and eye

Acute percutaneous LD₅₀ for rabbits >5000 mg/kg. Non irritant to skin; moderate eye irritant (rabbits).

Potential Health Effects

Health Effects

Possible adverse effects, which could occur if this material is not handled in the recommended manner.

Acute:

Inhalation: No information available. Not expected to be hazardous.

Skin contact: Not a dermal sensitizer and not a dermal irritant.

Eye contact: May irritate eyes.

Ingestion: The product is classified as slightly hazardous based on an oral LD₅₀ > 300 mg/kg for the active constituent.

Other Information

The ADI for haloxyfop is set at 0.0003 mg/kg/day, with corresponding NOAEL of 0.03 mg/kg/day.
*ADI= Acceptable Daily Intake; NOAEL: No Observable Adverse Effect Level. Data adopted from Australia ADI List, December 2023.

SECTION 12 – ECOLOGICAL INFORMATION

Known Harmful Effects on the Environment

Degraded in soil to parent acid within 24 hours which is then microbially degraded. In water, experimental results indicate DT₅₀ at pH 7 = 48 days.

Acute Toxicity – Fish

Low to moderately toxic to fish depending on species (96 hr LC₅₀ for rainbow trout = 0.7 mg/L).

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, SOLID, N.O.S. (contains HALOXYFOP-P-METHYL)
Class:	9
Packaging group:	III
Hazchem:	3Z
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, SOLID, N.O.S. (contains HALOXYFOP-P-METHYL)
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	0428 776 327
		Ask for Russell Clark