

## SAFETY DATA SHEET

### SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

<b>Product Name:</b>	<b>Kenso Agcare Haloxyken 520 Herbicide</b>
<b>Product Type:</b>	Group 1 Herbicide
<b>Company Name:</b>	Kenso Corporation (M) Sdn. Bhd.
<b>Address:</b>	Level 1, 98 Commercial Road, Teneriffe, 4005 QLD.
<b>Telephone Number:</b>	(07) 3216 1188
<b>Emergency Telephone Number:</b>	000 (Police or Fire Brigade) <b>13 11 26 (Poisons Information Centre)</b>
<b>Use:</b>	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.

<b>Inhalation:</b>	Remove to fresh air. Consult a physician.
<b>Skin contact:</b>	Remove contaminated skin with soap and water after removing contaminated clothing. Seek medical advice if irritation develops.
<b>Eye contact:</b>	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.
<b>Ingestion:</b>	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

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

LD<sub>50</sub> for male rats: 393 mg/kg

LD<sub>50</sub> for female rats: 599 mg/kg

#### Skin and eye

Acute percutaneous LD<sub>50</sub> 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 LD<sub>50</sub> > 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, September 2024.

## 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 DT<sub>50</sub> at pH 7 = 48 days.

### Acute Toxicity – Fish

Low to moderately toxic to fish depending on species (96 hr LC<sub>50</sub> 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

<b>UN Number:</b>	3082
<b>Proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains HALOXYFOP-P-METHYL)
<b>Class:</b>	9
<b>Packaging group:</b>	III
<b>Hazchem:</b>	3Z
<b>Storage and Transport:</b>	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

<b>UN Number:</b>	3082
<b>Proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains HALOXYFOP-P-METHYL)
<b>Class:</b>	9
<b>Packaging group:</b>	III
<b>Marine pollutant:</b>	Yes

## SECTION 15 – REGULATORY INFORMATION

<b>SUSMP Classification</b>	S6
<b>Packaging &amp; Labelling</b>	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:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Number</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number
<b>GHS</b>	Globally Harmonised System

**CONTACT POINT:**

Police and Fire Brigade:	Dial	000
<b>National Poisons Information Centre:</b>	<b>Dial</b>	<b>13 11 26 (from anywhere in Australia)</b>
For 24 hour emergency response:	Dial	1800 951 288 03 9573 3188