

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name: Kenso Agcare 570 LVE MCPA Selective Herbicide
Product Type: Group I 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 selective control of certain weeds in agricultural crops.

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
Acute toxicity (Dermal) – Category 4
Acute toxicity (Inhalation) – Category 4
Hazardous to the aquatic environment, long-term – Chronic 1

GHS Signal Word: **WARNING**

Hazard statements: H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H332: Harmful if inhaled.
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.
P271: Use only in outdoors or in a well ventilated area
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.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P321: Specific measures (see FIRST AID on this label).
P330: Rinse mouth.
P362+P364: Take off contaminated clothing and wash it before reuse.

Disposal: P391: Collect spillage.
P501: Dispose of contents and containers as specified on the registered label.
SUSMP Classification: S6
ADG Classification: Not dangerous good.
UN Number: None allocated.

Emergency Overview

Physical Description & colour: Brown liquid.

Odour: Characteristic solvent

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
MCPA (present as 2-ethylhexyl ester)	94-74-6	57%
Inert ingredients	secret	to 100%

SECTION 4 – FIRST AID MEASURES

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 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

Advice to Doctor:

Treat symptomatically. If vomiting occurs, solvent present may cause pulmonary pneumonitis.

SECTION 5 – FIRE FIGHTING MEASURES

Specific Hazard

Product is a combustible liquid, (C2)

Fire/Explosion Hazards

Dangerous Decomposition or Combustion Products

Thermal Decomposition

On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Extinguishing Media

If material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills & Disposal

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. Dispose of at a landfill in accordance with local regulations. On-site disposal of concentrate is not acceptable.

Personal Protection

For appropriate personal protective equipment (PPE), refer Section 8.

Clean-up Methods – Large Spillages

Place damaged containers in recovery bins (if available) and return to manufacturer.

Environmental Precautions

This product is a herbicide and spills can damage crops, pastures and desirable vegetation. Use earthen bunds or absorbent bunding to prevent spreading of spillage.

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

National occupational exposure limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia).

Biological Limit Values:

As per the "National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC: 1005 (1994)]" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures:

Use only in well ventilated areas. Keep containers closed when not in use.

Personal Protection Equipment:

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.

Wear overalls, chemical goggles and impervious gloves. Available information suggests that gloves made from poly vinyl chloride (PVC) should be suitable for intermittent contact. However, due to variations in glove constructions and local conditions, the user should make a final assessment.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. If risk of inhalation of exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1716.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Brown liquid
Odour:	Characteristic solvent odour
Boiling Point (°C):	182-202°C (for solvent present)
Vapour Pressure:	0.267 mPa @ 18°C (for MCPA 2EHE)
Specific Gravity:	1.05 ± 0.01
Flashpoint:	107°C; Firepoint 172°C.
Flammability:	Combustible liquid, (C2)
Solubility:	Emulsify in water

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability

This material is stable under normal use and storage conditions. Hydrolyses at pH > 7.

Conditions to avoid

No information available.

Hazardous Reactions

Keep away from strong oxidising agents.

Hazardous Polymerization

Hazardous polymerization is not possible.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data (On MCPA 2EHE)

Acute Toxicity – Oral

LD₅₀ (rat) 1300 mg/kg

Acute Toxicity – Dermal

LD₅₀ (rat) >2000 mg/kg

Acute Toxicity – Inhalation

LC₅₀ (rat) (4hr) >4.5 mg/l

Reproductive Toxicity

Data indicates no reproductive effects.

Data indicates no teratogenic effects.

Mutagenicity

The weight of evidence indicates that MCPA does not present a mutagenic risk.

Carcinogenicity

The weight of the evidence is that MCPA is not carcinogenic.

Potential Health Effects

Health Effects

Acute:

Inhalation:	Irritation to respiratory system
Skin contact:	Cause irritation
Eye contact:	Cause irritation
Ingestion:	Harmful

Chronic:

Chronic Overexposure: Repeated absorption of relatively large amounts of MCPA presents a risk to the liver and kidneys.

Other information:

ADI for MCPA is set at 0.01 mg/kg/day with corresponding NOAEL is set at 1.1 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

Other Precautions

Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

Environ. Protection

Spray drift can cause damage, read the label for more information.

Acute Toxicity – Fish

MCPA 2EHE has very low water solubility (0.1 mg/l) and rapidly hydrolyses in natural waters. The following data is for the hydrolysis product: MCPA acid.

LC₅₀ (96 hr) for rainbow trout is 50 mg/l.

LC₅₀ (96 hr) for fathead minnow is >3.2 mg/l.

Acute Toxicity – Daphnia

EC₅₀ (48hr) for daphnia is >190 mg/l for MCPA acid.

Acute Toxicity – Other Organisms

Birds: Not toxic to birds.

LD₅₀ for bobwhite quail is >2250 mg/kg

Not toxic to bees.

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:	None allocated
Proper shipping name:	None allocated
Class:	None allocated

Packaging group: None allocated

IMO-IMDG

UN Number: None allocated

Proper shipping name: None allocated

Class: None allocated

Packaging group: None allocated

Marine pollutant: 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	0428 776 327
		Ask for Russell Clark