

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name: Kenso Agcare Mepiquat 38 Plant Growth Regulator
Product Type: Plant growth regulator
Company Name: Kenso Corporation (M) Sdn Bhd
Address: Unit 3C, 59, Oxford Street, Bulimba Queensland 4171
Telephone Number: (07) 3217 9788
Facsimile Number: (07) 3217 9733
Emergency Telephone Number: 000 (Police or Fire Brigade)
13 11 26 (Poisons Information Centre)
Use: For the management of fruiting and vegetative growth in cotton.

SECTION 2 – HAZARDS IDENTIFICATION

Statement of Hazardous Nature

This product is classified as: non Hazardous according to the criteria of NOHSC Australia.
Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

GHS Signal Word: NONE. Not hazardous.
SUSMP Classification: S5
ADG Classification: Not a dangerous good.
UN Number: N/A

Emergency Overview

Physical Description & colour: Clear liquid.

Odour: Odourless.

Major Health Hazards: No major health hazard is known

Potential Health Effects

Health Effects

Acute:

Swallowed: The concentrate is considered to be slightly toxic by ingestion.

Eye: The concentrate may be mildly irritating to eyes..

Skin: The concentrate may be slightly irritating to skin in sensitive people.

Inhaled: Inhalation over-exposure is not expected at normal use temperatures.

Chronic:

Based on our experience and the information available to us, there have been no long term health effects observed with this product if handled correctly and used in accordance with the application purposes.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Mepiquat chloride	24307-26-4	3.8%w/v
Inert ingredients	secret	to 100%w/v

SECTION 4 – FIRST AID MEASURES

Swallowed:	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.
Eye:	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical advice.
Skin:	Remove contaminated clothing and launder before re-use. Wash affected areas thoroughly with soap and water.
Inhaled:	Remove victim to fresh air until recovered.

Advice to Doctor

Treat symptomatically based on judgment of doctor and individual reactions of patient. An antidote is not known.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard

Dangerous Decomposition or Combustion Products

Thermal Decomposition

None

Hazardous decomposition products

Carbon dioxide, carbon monoxide, nitrogen oxides, water.

Hazardous Reactions

Avoid oxidising agents. .

Extinguishing Media

Extinguish fire with foam, dry powder, carbon dioxide or water fog.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills and Disposal

Contain spill and absorb with sand or proprietary absorbent (vermiculite). Prevent from entering drains, waterways or sewers. Collect in sealed open top containers for disposal. Triple rinse

container then offer for recycling/ reconditioning or puncture and dispose off in a sanitary landfill, or by other procedures approved by state and local authorities. On site disposal is not acceptable.

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

An exposure standard has not been allocated for this product.

Engineering Controls

Ensure workplace is well ventilated

Personal Protection:

When preparing product for use, wear cotton overalls buttoned to the neck and wrist and washable hat, elbow length PVC gloves and effective eye protection. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly. After each day's use, wash contaminated clothing and safety equipment. When handling product, do not eat, drink or smoke.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Clear
Odour:	Odourless
Boiling point (°C):	~ 100°C
Vapour Pressure:	Mepiquat chloride is non-volatile
Specific Density:	Approximately 1.0 (20°C)
Flashpoint:	Not available
Flammability Limits:	Not available
Solubility:	Soluble

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability

This product is unlikely to react or decompose under normal storage conditions.

Conditions to Avoid

This product should be protected from direct sunlight and temperatures above 40°C and below 0°C.

Incompatibilities

No incompatible substance.

Hazardous Polymerization

Hazardous polymerization is not possible.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data (for the product)

Acute Toxicity – Oral

LD₅₀ (rat): 6900 mg/kg

Acute Toxicity – Dermal

LD₅₀ (rat): >5000 mg/kg

Toxicity data (for Mepiquat technical)

Acute Toxicity – Oral

LD₅₀ (rat): 464 mg/kg

Acute Toxicity - Dermal

LD₅₀ (rat): >2000mg/kg

Acute Toxicity – Inhalation

LC₅₀(rat, 7hr): 3.2 mg/L

Other Information

The Australian Acceptable Daily Intake (ADI) of Mepiquat for a human is 0.15mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 15mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.

SECTION 12 – ECOLOGICAL INFORMATION

Known Harmful Effects on the Environment

Based on the overall low toxicity of Mepiquat chloride, its low usage rate, and its rapid aerobic degradation, no risks to animals or non-target plants or endangered species were identified.

Other Precautions

None

Environ. Protection

Do not allow product to enter wastewater streams, rivers, sewers.

Persistence / Degradability

Half-life of Mepiquat chloride in soil is approximately 10 – 90 days.

Acute Toxicity – Fish

Non-toxic to fish

Acute Toxicity – Other Organisms

Non-toxic to honey 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

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 S5
Packaging & Labelling CAUTION
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