

# GENEREX (AUST) PTY LTD

## MATERIAL SAFETY DATA SHEET

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### **I IDENTIFICATION:**

**Product Name:** Generex Mepiquat Chloride 38  
**Shipping Name:** Mepiquat Chloride  
**Hazchem Code:** N/A  
**UN No.:** N/A  
**Dangerous Goods Class:** N/A  
**Sub Risk Class:** N/A  
**Packaging Group:** N/A  
**Poison Schedule:** S5  
**Uses:** For the management of fruiting and excessive vegetative growth in Cotton.

### **Physical appearance & Properties**

Appearance: Reddish liquid  
Volatile materials: N/A  
Specific gravity: approximately 1.0  
Vapour Pressure: N/A  
Solubility in water: soluble

### **Ingredients:**

Component	CAS No.	%
Mepiquat chloride	24307-26-4	5%
Inert ingredients	(non hazardous)	95%

### **II HEALTH HAZARD DATA**

Not classified as hazardous according to criteria of Worksafe Australia.

#### **Acute effects:**

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

Eyes: 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 effects:**

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.

**First Aid:**

If poisoning occurs, contact a doctor or Poisons Information Centre.

Swallowed: Drink plenty of water and induce vomiting. Seek immediate medical attention.

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 judgement of doctor and individual reactions of patient. An antidote is not known.

**Toxicity Data:**

For the product: Acute oral LD<sub>50</sub> (rat) : 6900mg/Kg Acute dermal LD<sub>50</sub> (rat) : >5000mg/Kg

For Mepiquat (active): Acute oral LD<sub>50</sub> (rat) : 464mg/Kg Acute dermal LD<sub>50</sub> (rat): >2000mg/Kg

Acute inhalation (rat, 7hr): 3.2mg/L

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. (Ref: Comm. Dept. of Human Services and Health, "ADI List", AGPS, May 1997) .

**III PRECAUTIONS FOR USE****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.

**Exposure Standard :**

No exposure standard has not been allocated for this product.

**Engineering Controls:**

Ensure workplace is well ventilated.

**Flammability:**

Non flammable.

**Environment:**

Do not allow product to enter wastewater streams, rivers, sewers, etc. Non-toxic to fish. Half-life of mepiquat chloride in soil is approximately 10-90 days.

**IV SAFE HANDLING INFORMATION****Storage & Transport:**

Road Transport: Considered non hazardous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Storage: Keep containers tightly sealed. Store in a cool, dry area and away from animal foodstuffs and drinking water. Protect from direct sunlight and temperatures above 40°C and below 0°C.

The product has been assessed according to the Worksafe criteria for classifying hazardous substances and is classified as not hazardous.

**Spills & 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 of in a sanitary landfill, or by other procedures approved by State and local authorities. On site disposal is not acceptable.

**Fire/Explosion Hazard:**

Non flammable.

If material is involved in a fire in a confined area, breathable air apparatus may need to be worn.

May emit toxic fumes of hydrogen chloride or phosgene if involved in fires or exposed to extreme heat.

**Reactivity Data:**

No incompatible substances, hazardous decomposition products or hazardous reactions have been observed with this product, provided that it is stored and handled correctly. Hazardous polymerisation is not possible.

## **V OTHER INFORMATION**

IN CASE OF EMERGENCY:  
IF INEFFECTIVE:

DIAL 000  
PHONE POISONS INFORMATION CENTRE

SPECIALIST COMPANY ADVICE:-

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