



Safety Data Sheet

Report
Date 04-Apr-19

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1. Identification

Product Name : Omni Brand Mepiquat LC
Synonyms : None
Product Use : Mepiquat Plant Growth Regulator
Manufacturer/Supplier : Helena Agri-Enterprises, LLC
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Warning
Skin Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012)
Eye Irritation : Causes eye irritation
Acute Toxicity Oral : LD50 6,950 mg/kg (rat)
Acute Toxicity Dermal : LD50 >5,000 mg/kg (rat)

Hazard Categories : Oral/Dermal Toxicity-5/5; Eye Irritation-2B

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes eye irritation

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Mepiquat chloride	24307-26-4	4.2
Other ingredients	Proprietary	95.8

4. First Aid Measures

Eye : Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Ingestion : Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth if unconscious.

Indication of Immediate Medical Attention and Special Treatment Needed : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures

Extinguishing Media : Water spray, dry foam, dry chemical or carbon dioxide. Dry extinguishing systems are preferred to prevent excessive water runoff.



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Specific Hazards Arising from the Chemical : Can release irritating and toxic gases in a fire resulting from thermal decomposition. Emits hydrogen chloride and nitrous oxide.

Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing. Evacuate the area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire.

6. Accidental Release Measures

Personal Precautions : Isolate hazard area. Keep unnecessary personnel from entering.

Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

Emergency Procedures : Keep product, contaminated materials and wash water out of streams and sewers. Prevent soil contamination or from entering sewers and drainage systems and bodies of water.

Methods and Materials for Containment and Cleanup : Absorb liquid with material such as clay, sand, sawdust or dirt. Sweep up and place in a suitable container for disposal and label the contents. Follow this by washing with strong soap and water solution. Absorb any excess liquid as indicated above, and add to the disposal container. Contain large spills and recover for disposal. After removal, scrub the area with detergent and water and neutralize with dilute alkaline solutions of soda ash or lime.

7. Handling and Storage

Precautions for Safe Handling : Use only in well-ventilated area. Avoid contact with eyes, skin or clothing.

Conditions for Safe Storage : Keep in original container, tightly closed, out of reach of children. Keep away from food, drink and animal foodstuffs. Containers should be stored in a cool, dry, well-ventilated area away from flammable materials and sources of heat or flame. Do not store below 32 Degrees F. or above 100 Degrees F.

8. Exposure Controls / Personal Protection

TLV/PEL : No TLV or PEL established for active ingredient or mixture.

Appropriate Engineering Controls : Provide general and/or local exhaust ventilation.

Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance : Pink liquid; odorless.

Flash Point, °F : Not flammable

Boiling Point, °F : No information found

Melting Point(Freezing point), °C : No information found

Vapor Pressure, mm Hg @ 20 °C : No information found

Vapor Density : No information found

Solubility in Water : Completely soluble

Molecular Formula : Not applicable, formulated mixture.

Density, g/mL @ 25 °C : 1.00 (8.35 lbs/gal)

Evaporation Rate(Butyl Acetate = 1) : No information found

Octanol/Water Partition Coefficient : No information found

pH : 8.0 to 9.0



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Flammable Limits (approximate volume % in air) : No information found

Auto-ignition Temperature : No information found

Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found

Chemical Stability : Stable

Hazardous Decomposition Products : Hydrogen chloride and nitrous oxide.

Hazardous Polymerization : Will not occur

Conditions to Avoid : Avoid excessive heat and fire.

Incompatible Materials : None known

11. Toxicological Information

Acute Toxicity (Oral LD50) : 6,950 mg/kg (rat). May be harmful if swallowed.

Acute Toxicity (Dermal LD50) : >5,000 mg/kg (rat). May be harmful in contact with skin.

Acute Toxicity Inhalation LC50 : >20 mg/L/4 hour (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).

Likely Routes of Exposure : Ingestion, skin absorption, eye

Skin Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012).

Eye Irritation : Causes eye irritation.

Skin Sensitization : Not a skin sensitizer.

Carcinogenic : Not listed by IARC, ACGIH, NTP or OSHA.

Chronic Effects : Not known to cause reproductive or mutagenic effects. Not known to cause birth defects.

Other Hazards : No information found

12. Ecological Information

Ecotoxicity : Mepiquat chloride is not acutely toxic to fish or wildlife. High concentrations of this mixture may be toxic to fish and aquatic invertebrates. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

Persistence and Degradability : Although mepiquat chloride is stable to hydrolysis and photolysis, it is rapidly decomposed in the environment by microbial breakdown into CO₂ (half-life in soil ranged from 3 to 21 days).

Bioaccumulative Potential : Mepiquat chloride does not bioaccumulate.

Mobility in Soil : Mepiquat chloride is non-mobile in soils.

Other Adverse Effects : No information found.

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name : Not regulated by DOT.

Transport Hazard Class : None



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UN Identification Number : None
Packaging Group : None
Environmental Hazards : No information found
Transport in Bulk : No information found
Special Precautions for Transportation : No information found
Freight Classification : Pesticides, NOI, Plant Growth Regulator, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information

National Fire Protection
Association Rating

Health: 1 Fire: 1 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard
Classification (Yes/No)

Immediate(Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of N
Pressure:
Fire: N
Reactive: N

FIFRA Information : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Registration Number : 5905-617

FIFRA Signal Word : Caution

FIFRA Label Statement : Keep out of reach of children.

FIFRA Label Statement : Harmful if swallowed or absorbed through skin.

FIFRA Label Statement : Cause moderate eye irritation.

FIFRA Label Statement : Avoid contact with eyes, skin or clothing.

FIFRA Label Statement : No additional label statements.

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16. Other Information

Data of Preparation/Revision : 04-April-2019