



Safety Data Sheet

Report Date 20-May-15

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1. Identification

Product Name : ESSENCE 6
Synonyms : None
Product Use : Fertilizer Additive
Manufacturer/Supplier : Helena Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Danger
Skin Irritation : Causes severe irritation and burns with redness, dermatitis and scarring.
Eye Irritation : Causes severe irritation and burns. May cause permanent eye damage.
Acute Toxicity Oral : No data available on this mixture. Not classified as hazardous.
Acute Toxicity Dermal : No data available on this mixture. Not classified as hazardous.

Hazard Categories : Skin Irritation - 1B; Eye Irritation - 1

Hazard Statement : Causes severe skin burns and eye damage

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Hydroxytricarboxylic salts	Proprietary	24.00
Inert ingredients	Proprietary	76.00

4. First Aid Measures

Eye : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further 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. Rinse mouth with water. Do not induce vomiting. 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 : Non-combustible liquid; use extinguishing media suitable for underlying cause of fire. Use of water fog, foam, dry chemical and carbon dioxide extinguishing agents is recommended.



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Specific Hazards Arising from the Chemical : None currently known.

Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing. Contain fire fighting water to prevent contamination of water supplies, lakes, streams or ponds.

6. Accidental Release Measures

Personal Precautions : Keep unprotected and unnecessary personnel out of spill area.

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 : Prevent spills from entering sewers and water courses.

Methods and Materials for Containment and Cleanup : Contain and collect free liquid where possible. Collect by covering spilled liquid with inert absorbent, then sweep or scoop up and place in appropriate containers for disposal. Rinse spill area with water, absorb then collect and place in containers with recovered product.

7. Handling and Storage

Precautions for Safe Handling : Prevent contact with eyes, skin and clothing. Use with adequate ventilation. Do not breathe mists or vapors. Keep containers closed when not in use. Ensure all containers are labeled.

Conditions for Safe Storage : Store in a cool, well-ventilated area away from heat and incompatible materials.

8. Exposure Controls / Personal Protection

TLV/PEL : No TLV or PEL established.

Appropriate Engineering Controls : Use with adequate general 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 : Yellow to brown liquid with no odor.

Flash Point, °F : Non-combustible

Boiling Point, °F : 215.6 Degrees F.

Melting Point(Freezing point), °C : <35 Degrees F.

Vapor Pressure, mm Hg @ 20 °C : Not determined

Vapor Density : Not determined

Solubility in Water : Dispersible

Molecular Formula : Not applicable, formulated mixture.

Density, g/mL @ 25 °C : 1.23-1.30

Evaporation Rate(Butyl Acetate = 1) : Not determined

Octanol/Water Partition Coefficient : No information found

pH : <2.0

Flammable Limits (approximate volume % in air) : Not determined

Auto-ignition Temperature : Not applicable

Decomposition temperature : No information found



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10. Stability and Reactivity

- Reactivity** : May corrode: copper, zinc, aluminum, and alloys.
Chemical Stability : Stable
Hazardous Decomposition : Oxides of carbon and phosphorus.
Products
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid extreme heat or freezing temperatures. Store away from metals and in original container.
Incompatible Materials : Strong oxidizing agents, bases, ammonia, amines and metals.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : No LD50 available. Not classified as hazardous due to oral toxicity.
Acute Toxicity (Dermal LD50) : No LD50 available. Not classified as hazardous due to skin absorption.
Acute Toxicity Inhalation LC50 : No LC50 available. Not classified as hazardous due to inhalation.
Likely Routes of Exposure : Eyes, skin
Skin Irritation : Causes severe irritation and burns with redness, dermatitis and scarring. Corrosive to skin.
Eye Irritation : Causes severe irritation and burns. May cause permanent damage to eyes.
Skin Sensitization : Not known to cause sensitization.
Carcinogenic : Not listed.
Chronic Effects : None currently known.
Other Hazards : None currently known.

12. Ecological Information

- Ecotoxicity** : No information found
Persistence and Degradability : No information found
Bioaccumulative Potential : No information found
Mobility in Soil : No information found
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** : Corrosive Liquid, Acidic, Organic, n.o.s., (Proprietary Acid Blend)
Transport Hazard Class : Corrosive (8)
UN Identification Number : UN3265
Packaging Group : PG II
Environmental Hazards : No information found
Transport in Bulk : No information found
Special Precautions for Transportation : No information found
Freight Classification : Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)



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15. Regulatory Information

National Fire Protection Association Rating :

Health: 3 Fire: 0 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 Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 20-May-2015