



Safety Data Sheet

Report Date 25-May-15

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1. Identification

Product Name : GLIDE 10-0-8
Synonyms : None
Product Use : Nutritional
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 : Prolonged or repeated exposure may cause severe irritation, burns or dermatitis.
Eye Irritation : Severe irritation or burns may occur. Severe eye damage or even blindness may occur if immediate treatment is not received.
Acute Toxicity Oral : Ingestion may cause irritation to the gastrointestinal tract, burns, nausea or vomiting.
Acute Toxicity Dermal : Contact may produce irritation or burns.
Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye/Skin Irritation-1/1C
Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes severe skin burns and eye damage
May be harmful if inhaled

3. Composition / Information on Ingredients

| Component | CAS Number | Weight % |
|--|-------------|----------|
| Blend of plant nutrients, derived from urea (CAS No. 57-13-6) and potassium hydroxide (CAS No. 1310-58-3). GUARANTEED ANALYSIS: Total Nitrogen (N): 10.00% Soluble Potash (K ₂ O): 8.00% | Proprietary | 100.00 |

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.



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5. Fire Fighting Measures

- Extinguishing Media** : Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire.
- Specific Hazards Arising from the Chemical** : None currently known.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

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** : Keep out of waterways, sewers, storm drains, lakes, streams or ponds.
- Methods and Materials for Containment and Cleanup** : Contain spill using an inert absorbent material. Collect spilled product and place in suitable containers for proper disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Keep locked up and out of reach of children. Do not contaminate water, food or feed by storage, handling or disposal. Keep container tightly closed. Do not allow water to be introduced into the contents of the container.
- Conditions for Safe Storage** : Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate.

8. Exposure Controls / Personal Protection

- TLV/PEL** : Potassium hydroxide - 2 mg/m³ (TLV)
- Appropriate Engineering Controls** : Local exhaust should be sufficient.
- 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** : Clear liquid with low odor.
- Flash Point, °F** : Non-combustible
- Boiling Point, °F** : Not determined
- Melting Point(Freezing point), °C** : Not determined
- Vapor Pressure, mm Hg @ 20 °C** : Not applicable
- Vapor Density** : Not applicable
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.168-1.180
- Evaporation Rate(Butyl Acetate = 1)** : Not determined
- Octanol/Water Partition Coefficient** : No information found
- pH** : >14.0



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Flammable Limits (approximate volume % in air) : Not determined
Auto-ignition Temperature : Not determined
Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : May produce hydrogen gas and other toxic or irritating vapors under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid contact with acidic materials.
Incompatible Materials : Do not allow contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali-sensitive metals or alloys.

11. Toxicological Information

Acute Toxicity (Oral LD50) : No LD50 available. May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : No LD50 available. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : No LC50 available. May be harmful if inhaled.
Likely Routes of Exposure : Skin and eyes
Skin Irritation : Causes severe skin burns.
Eye Irritation : Causes severe eye damage.
Skin Sensitization : Not listed as a sensitizer.
Carcinogenic : Not listed.
Chronic Effects : Long term skin exposure to potassium hydroxide can cause dermatitis. Long term eye exposure to potassium hydroxide can cause visual disturbances.
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, Basic, Inorganic, n.o.s. (Potassium Hydroxide),
Transport Hazard Class : Corrosive (8)
UN Identification Number : UN3266
Packaging Group : PG II
Environmental Hazards : No information found



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Transport in Bulk : If shipped in single container >482.62 gallons, ship as: RQ, UN3266, Corrosive Liquid, Basic, Inorganic, n.o.s. (Potassium Hydroxide), 8, PG II
Special Precautions for Transportation : ERG # 154
Freight Classification : Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

15. Regulatory Information

National Fire Protection Association Rating :

Health: 3 Fire: 1 Reactivity: 1
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: Y
Sudden Release of Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 25-May-2015