



Indication of Immediate Medical Attention and Special Treatment Needed Treat symptomatically

## 5. Fire Fighting Measures

**Extinguishing Media** : Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire.

**Specific Hazards Arising from the Chemical** : May produce carbon monoxide, carbon dioxide, low molecular weight hydrocarbons and/or toxic fumes under fire conditions

**Special Fire Fight Proc** : Evacuate nonessential personnel. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Wear self-contained breathing apparatus and full protective clothing. Use water spray to cool containers exposed to fire.

## 6. Accidental Release Measures

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

**Protective Equipment** : Equip cleanup crew with proper protection

**Emergency Procedures** : Contain spill. Do not allow spilled product to contaminate water supplies, lakes, streams, ponds, or drains.

**Methods and Materials for Containment and Cleanup** : Collect spilled liquid and reuse, if uncontaminated. If contaminated, cover with inert absorbent material, collect and place in suitable containers for proper disposal.

## 7. Handling and Storage

**Precautions for Safe Handling** : Keep containers closed when not in use. Do not eat, drink, or smoke when using this product. Do not contaminate water

supplies, lakes, streams, ponds or drains.

**Conditions for Safe Storage** : Keep out of reach of children. This product may freeze at

temperatures less than 32 degrees F. Thawing occurs readily at temperatures greater than 32 degrees F. Do not store at temperatures greater than 110 Degrees F. Do not store in direct sunlight. Do not store near heat or open flame.

## 8. Exposure Controls/Personal Protection

**TLV/PEL** : No information found

**Appropriate Engineering Controls** : Local exhaust is sufficient

**Controls** :

**Personal Protective** : Avoid all unnecessary exposure. Wear protective gloves.

**Equipment** : Chemical goggles or safety glasses, suitable protective clothing, appropriate mask. Do not eat, drink or smoke during use.  
Eyewash station should be available nearby.

## 9. Physical and Chemical Properties

**Physical State:** Liquid  
**Appearance:** Dark brown or Black liquid, slight amine odor  
**Flash Point, °F:** Not flammable  
**Boiling Point, °F:** >212 Degrees F  
**Melting Point (Freezing Point), °F :** <32 Degrees F  
**Vapor Pressure, mm Hg @ 20 °C :** Not established  
**Vapor Density :** Not established  
**Solubility in Water :** 99%  
**Molecular Formula :** Not applicable, formulated mixture  
**Density, g/mL @ 25 °C :** 1.040 to 1.060  
**pH :** 8.5  
**Flammable Limits :** No information found  
**Auto-Ignition Temperature :** Not applicable  
**Decomposition Temperature :** Not established

## 10. Stability and Reactivity

**Reactivity :** Normally Stable  
**Chemical Stability :** Stable  
**Hazardous Decomposition Products :** May emit oxides of carbon under fire conditions  
**Hazardous Polymerization :** Will not occur  
**Conditions to Avoid :** Avoid direct sunlight and temperatures below 32°F and above 110°F.  
**Incompatible Materials :** May react with acidic materials

## 11. Toxicology Information

**Acute Toxicity (Oral LD50) :** No information found.  
**Acute Toxicity (Dermal LD50) :** No information found.  
**Acute Toxicity (Inhalation LD50) :** No information found. May cause nose and throat irritation if inhaled  
**Likely Routes of Exposure :** Skin and Eyes  
**Skin Irritation :** Not classified  
**Eye Irritation :** Not Classified  
**Skin Sensitization :** No hazard listed  
**Carcinogenic :** Not listed by IARC, NTP or OSHA  
**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** : Dispose in a safe manner in accordance with local/national regulations.

**14. Transportation Information**

**UN Proper Shipping Name** : Not regulated by DOT, IATA or IMDG  
**Transport Hazard Class** : None  
**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** : Class 60

**15. Regulatory Information**

**HSNO Approval Number** : HSR002571  
**HSNO Group Standard** : Fertilisers (Subsidiary Hazard) Group Standard 2017

**16. Other Information**

**Other Information** : None

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