SECTION I

PRODUCT IDENTIFICATION

NFPA HAZARD RATINGS

Based on the National Fire Protection Association rating system
(0 = Minimal; 1 = Slight; 2 = Moderate; 3 = High; 4 = Severe)

HEALTH HAZARD 1  FIRE HAZARD 0  REACTIVITY 0

SARA/ TITLE III HAZARD CATEGORIES (See Section IX)

Immediate (ACUTE) Health: NO  Reactive Hazard: NO

Based on the National Fire Protection Association rating system
(0 = Minimal; 1 = Slight; 2 = Moderate; 3 = High; 4 = Severe)

SECTION II

COMPOSITION/ INFORMATION ON INGREDIENTS

INGREDIENTS:  CAS#  Approx. %  TLV

SECTION III

HAZARD IDENTIFICATION

A. EXPOSURE LIMITS:
   1. OSHA Permissible Exposure Limit (PEL): N/ E
   2. Threshold Limit Value (TLV): N/ E

B. CARCINOGEN OR POTENTIAL CARCINOGEN:
   1. NPT: N/ A
   2. IARC: N/ A
   3. OSHA: N/ A

C. EFFECTS OF OVEREXPOSURE:
   1. ACUTE:
      EYES: Irritation, possible injury
      SKIN: Possible irritation
      INHALATION: Irritation
      INGESTION: Irritation of mucous membranes in mouth, throat, nausea, diarrhea.
   2. CHRONIC: Pulmonary irritation. Necrosis of cut or abraded skin.

D. ADDITIONAL INFORMATION: Acute Toxicity Effects Data Calcium chloride LD50 (oral- rat) mg/ kg - 1000 Calcium chloride LD50 (1pr- mouse) mg/ kg 280

SECTION IV

FIRST- AID MEASURES

A. EMERGENCY FIRST AID PROCEDURES:
   EYES: Rinse thoroughly with running water for 15 minutes. Seek medical attention.
   SKIN: Wash with soap and water. Rinse thoroughly. Seek medical attention if inflammation occurs. Do not attempt to neutralize with chemicals.
   INHALATION: Remove from exposure area. If irritation exists from mists, or in the event of massive inhalation . Seek medical help.
   INGESTION: Drink excess water or milk. Induce vomiting. Seek medical attention.

B. ANIMAL TOXICITY DATA: N/ A

C. ADDITIONAL INFORMATION: Acute Toxicity Effects Data Calcium chloride LD50 (oral- rat) mg/ kg - 1000 Calcium chloride LD50 (1pr- mouse) mg/ kg 280
FLASH POINT: N/A
FLAMMABLE LIMITS: N/A
EXTINGUISHER MEDIA: Water, Carbon Dioxide (CO₂), Dry Chemicals.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear butyl rubber boots and clothing. Wear self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic fumes may be generated at elevated temperatures.

## SECTION VI
### ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED:** It is necessary to contain spill into the smallest area possible by diking etc. Replace liquid into plastic container. If liquid is absorbed onto dry carrier such as soil or absorbent material, then this material should be held in a dry contained area.

## SECTION VII
### HANDLING AND STORAGE

Keep containers closed and away from oxidizing agents. Store only in shipping container: Pails (PVC), Drums (Polyethylene) and Mini Bulk tanks (Polyethylene). Bulk material should be stored in Polyethylene Tanks with PVC fittings.

## SECTION VIII
### SPECIAL PROTECTION / CONTROL MEASURES

**RESPIRATORY PROTECTION:** As required by conditions. Use an OSHA or NIOSH approved respirator if necessary.

**VENTILATION:** General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions.

**PROTECTIVE GLOVES:** Use butyl rubber gloves.

**WORK/HYGIENIC PRACTICES:** Wash thoroughly after handling. Also wash clothing.

## SECTION IX
### PHYSICAL AND CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BOILING POINT:</strong></td>
<td>212°F</td>
</tr>
<tr>
<td><strong>MELTING POINT:</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>SPECIFIC GRAVITY:</strong></td>
<td>1.32</td>
</tr>
<tr>
<td><strong>APPEARANCE AND ODOR:</strong></td>
<td>Dark brown liquid. Slight molasses odor.</td>
</tr>
<tr>
<td><strong>PERCENT VOLATILE BY VOLUME:</strong></td>
<td>N/A</td>
</tr>
</tbody>
</table>

## SECTION X
### PHYSICAL HAZARDS (REACTIVITY DATA)

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STABILITY:</strong></td>
<td>Stable: Yes</td>
</tr>
<tr>
<td><strong>CONDITIONS TO AVOID:</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>INCOMPATIBILITY, MATERIALS TO AVOID:</strong></td>
<td>N/E</td>
</tr>
<tr>
<td><strong>HAZARDOUS DECOMPOSITION PRODUCTS:</strong></td>
<td>Chloride at very high temperature.</td>
</tr>
<tr>
<td><strong>HAZARDOUS POLYMERIZATION:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>MAY OCCUR:</strong></td>
<td>X</td>
</tr>
</tbody>
</table>
### SECTION XI  TOXICOLOGICAL INFORMATION

A. TOXICITY DATA:
B. CARCINOGENICITY:
C. MUTAGENICITY:
D. REPRODUCTIVE TOXICITY:

### SECTION XII  ENVIRONMENTAL EFFECTS DATA

The available data on this plant nutrient material does not indicate any undue hazard to the environment under anticipated use and storage. Any waste due to spillage or leakage should be contained and disposed of as a Fertilizer, not to exceed 3lbs. Of actual Boron per acre (see above under Waste Disposal Methods). If discharged into the marine environment it may be toxic to fish and other marine organisms. Due to its nutrient value, may contribute to eutrophication in bodies of water.

### SECTION XIII  DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHODS:** Liquid should be applied to the soil as a fertilizer not to exceed 15 gallons per acre. Product absorbed onto dry carrier should be applied to soil as a fertilizer not to exceed 300 lbs. per acre.

### SECTION XIV  TRANSPORTATION DATA

**DOT HAZARD CLASS:** NON-HAZARDOUS  
**PLACARD:** NOT REQUIRED  
**USDOT Proper Shipping Name:** CaB  
**IATA Proper Shipping Name:** N/A  
**IMO Proper Shipping Name:** N/A