1. Chemical Product and Company Information

**Product Name:** FreezBan

**Product Description:** Multipurpose Ad-Mixture for use with Portland Cement

**ChemMasters**

300 Edwards Street

Madison, Ohio 44057

440-428-2105

**In Case of Emergency Contact:**

CHEMTREC 800/424-9300

2. Hazards Identification

**CAUTION**

May Cause Eye and Skin Irritation

**WHMIS Classification:** Class D, Division 2B & Class E (Toxic & Corrosive)

**Symbol:** Stylized T & Corrosive

**Potential Health Hazards - Acute**

**Eye:** May cause irritation.

**Skin:** May cause irritation.

**Inhalation:** Not applicable.

**Ingestion:** May cause gastrointestinal irritation. Large amounts can result in dizziness, abdominal cramps, vomiting, bloody diarrhea, convulsions, or death.

**Potential Health Effects - Chronic:**

Small, repeat oral doses can cause weakness, depression, headaches, and mental impairment.

**Carcinogenicity:**

<table>
<thead>
<tr>
<th>NTP</th>
<th>IARC Monographs</th>
<th>OSHA Regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Exposure Limits</th>
<th>% by Wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Chloride</td>
<td>10043-52-4</td>
<td>---</td>
<td>30-35%</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>---</td>
<td>65-70%</td>
</tr>
</tbody>
</table>

4. First Aid Measures

**Eye:** Immediately flush with plenty of water.

**Skin:** Flush with plenty of water. Remove contaminated clothing.

**Ingestion:** Seek medical attention! Give victim a large amount of water and induce vomiting. Never give anything by mouth to an unconscious person.

SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.
5. Fire Fighting Measures
- **Flash Point** (method used): Not applicable
- **Flammable Limits** (% volume in air): Lower = Not applicable    Upper =Not applicable
- **Auto Ignition Temperature**: Not applicable
- **Extinguishing Media**: Media appropriate for surrounding materials.
- **Hazard Combustion Products**: Not Applicable
- **Fire Fighting Instructions**: Appropriate for surrounding materials.

6. Accidental Release Measures
- **Spill**: Absorb with inert material, then place in chemical waste container for later disposal.  Flush area with plenty of water.

7. Handling and Storage
- **Storage**: Store material in its original container.  Keep containers tightly closed when not in use.
- **Handling**: Always use cool water, <80°F/26.7°C, when diluting this product.  Heat developed by solutions is very high during mixing.

8. Exposure Controls / Personal Protection
- **Exposure Controls**: Local exhaust required to control airborne levels when mist is present.
- **Personal Protection**: Protective clothing, goggles and rubber gloves. A source of clean water should be available in work area for flushing eyes and skin.

9. Physical and Chemical Properties
- **Appearance**: Light green color
- **Odor**: None
- **Boiling Point**: 231°-251°F/110°-122°C
- **Melting Point**: Not applicable
- **Vapor Pressure (mm/Hg)**: 7-15 mm @70°F/21°C
- **Vapor Density (Air = 1)**: 1
- **Solubility in Water**: 100%
- **Specific Gravity (H2O = 1)**: 1.3-1.4
- **Evaporation Rate** (n-Butyl Acetate = 1): <1

10. Stability and Reactivity
- **Chemical Stability**: Stable
- **Conditions to Avoid**: Not Applicable
- **Incompatibility**: Solution will slowly corrode metals. Calcium chloride will attack yellow brass and aluminum and its alloys. Avoid contact with oxidizers.
- **Hazardous Decomposition or By-products**: Not applicable
- **Hazardous Polymerization**: Will not occur
11. Toxicological Information

<table>
<thead>
<tr>
<th>Components</th>
<th>Oral LD50 (rat)</th>
<th>Dermal LD50 (rabbit)</th>
<th>Inhalation LC50 (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Chloride</td>
<td>900-1200 mg/kg</td>
<td>&gt;5000 mg/kg</td>
<td>—</td>
</tr>
</tbody>
</table>

12. Ecological Information

Losses incidental to correct applications of this product in its intended use are not expected to be harmful to the environment. Avoid contact with vegetation, animals and fish life. No exact data available.

13. Disposal Considerations

Dispose of in accordance with all federal, state, and local regulations. If uncertain of local regulations, contact the proper environmental authorities for disposal.

This material does not meet RCRA’s characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

14. Transportation Information

For U.S. National Shipments:

- **Shipping Description:** Non-regulated material
- **Emergency Response Guide Number:** Not Applicable
- **Hazard Class:** Not Applicable

15. Regulatory Information

- **OSHA:** This material is hazardous by definition of Hazardous Communication Standard (29 CFR 1910.1200)
- **CERCLA Reportable Quantity:** Not applicable
- **SARA Title III:**
  - **Section 311/312 hazard categories:** acute health
  - **Section 313 reportable ingredients:**
    - Components
    - CAS #
    - Maximum %

    Not applicable — —

16. Other Information

- **MSDS Status:** Revised entire MSDS on 03/08/07

Industrial Abbreviation Legend on page 4 of this MSDS.
THIS PRODUCT IS FORMULATED AND LABELED FOR INDUSTRIAL AND COMMERCIAL APPLICATION ONLY

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