

Date Prepared: 03/08/07  
Supersedes: 09/25/02  
Product Name: FreezBan

# ChemMasters

## MATERIAL SAFETY DATA SHEET

### 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.

<b>Carcinogenicity:</b>	<b>NTP</b>	<b>IARC Monographs</b>	<b>OSHA Regulated</b>
	NO	NO	NO

### 3. Composition / Information on Ingredients

Components	CAS #	Exposure Limits			% by Wt
		OSHA	ACGIH	OTHER	
Calcium Chloride	10043-52-4	—	—	—	30-35%
Water	7732-18-5	---	---	---	65-70%

### 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.**

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## 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** (H<sub>2</sub>O = 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

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## 11. Toxicological Information

Components	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Calcium Chloride	900-1200mg/kg	>5000 mg/kg	—

## 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.

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### Industrial Abbreviation Legend

ACGIH	American Conference of Governmental Industrial Hygienists	mg/m <sup>3</sup>	milligrams per cubic meter
CAA	Clean Air Act (EPA)	NIOSH	National Institute for Occupational Safety and Health
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act of 1980 (Superfund) (EPA)	NTP	National Toxicology Program
CNS	Central Nervous System	OSHA	Occupational Safety and Health Administration
CWA	Clean Water Act (EPA)	PEL	Permissible Exposure Limit
DOT	Department of Transportation	ppm	parts per million
EPA	Environmental Protection Agency	RCRA	Resource Conservation and Recovery Act (EPA)
g/kg	grams per kilogram	SARA	EPA's Superfund Amendment and Reauthorization Act (EPA)
IARC	Internal Agency for Research on Cancer	STEL	Short-Term Exposure Limit, ACGIH terminology
LC50	Lethal Concentration in which 50% of the test animals are expected to die	TLV	Threshold Limit Value
LD50	Lethal Dose in which 50% of the test animals are expected to die	TWA	Time-Weighted Average

### THIS PRODUCT IS FORMULATED AND LABELED FOR INDUSTRIAL AND COMMERCIAL APPLICATION ONLY

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