

# SAFETY DATA SHEET



Issue Date: June 27, 2017

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Version: 2017

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** FreezBan Beads

**Other Means of Identification**

**SDS #:** F6310

**Recommended Use:** Cement Admixture

**Restrictions on Use:** No Data

**Supplier of the Safety Data Sheet including Address:**

ChemMasters Inc.  
300 Edwards Street  
Madison, OH 44057

**Telephone Numbers**

**Company Phone Number**

Phone: 800-486-7866, 440-428-2105

Fax: 440-428-7091

**Emergency Telephone:** ChemTrec 800-424-9300 (United States & Canada), International Call: 1-703-527-3887

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

**OSHA Hazards:**

Causes serious eye irritation, may be harmful if swallowed, may cause respiratory irritation.

**GHS Classification:**

**Eye damage/eye irritation – Category 2A**

**Acute toxicity, Oral – Category 5**

**Specific Target Organ toxicity – single exposure: Category 3**

**Label Elements, including precautionary statements**

**Pictograms:**



**Signal Word:** WARNING

**Hazard Statements:**

**H303** May be harmful if swallowed

**H319** Causes serious eye irritation.

**H335** May cause respiratory irritation.

## Precautionary Statement(s)

### Prevention:

- P261 Avoid breathing dust.
- P264 Wash hands and skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear eye protection/face protection.

### Response:

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice or attention.
- P312 If swallowed: Call a POISON CENTER/doctor if you feel unwell.
- P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

### Storage:

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up

### Disposal:

- P501 Dispose of contents/container in accordance with local/regional/national regulations.

Hazards Not Otherwise Classified: May cause skin irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Component

Calcium Chloride	CAS#: 10043-52-4	90-97%
Potassium Chloride	CAS#: 7447-40-7	2-3%
Sodium Chloride	CAS#: 76747-14-5	1-2%
Water	CAS#: 7732-18-5	0-2%
Strontium Chloride	CAS#: 10476-85-4	0-1%

Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels.

## 4. FIRST AID MEASURES

### First Aid Measures

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. If not breathing, give artificial respiration. Consult a physician.

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion:** IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, rinse mouth with water. Call a POISON CENTER/doctor if you feel unwell.

**Skin Contact:** Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice or attention.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Product is not combustible. Use water spray (fog), alcohol-resistant foam, dry chemical, or carbon dioxide for surrounding fire.

### Specific Hazards Arising from the Chemical

None Known

### Hazardous Combustion Products

Hydrogen chloride gas, Calcium oxide

### Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and full protective gear for firefighting.

### Further Information

See Section 7 for safe handling and storage.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

In case of spill wear appropriate personal protective equipment during any cleanup and response activities. Avoid dust formation. Avoid skin contact and inhalation of dust.

### Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### Methods and Material for Containment and Cleaning Up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid contact with skin and eyes. Avoid inhalation of dust.

### Conditions for Safe Storage, Including any Incompatibilities

**General information:** Keep at a temperature not exceeding 38 Degrees C (100 Degrees F). Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed to prevent leakage.

**Safe Storage:** No Additional Data

**Incompatibilities:** None known

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

#### Component Exposure Limit

Calcium Chloride: Dow IHG TWA 10 mg/m<sup>3</sup>

### Exposure Controls

Local Ventilation: Recommended

General Ventilation: Recommended

### Individual Protection Measures, such as Personal Protective Equipment

**Eye/Face Protection:** Use proper protection – Safety Glasses as a minimum

**Skin and Body Protection:** Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

**Respiratory Protection:** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

#### **Physical State**

**Appearance:** Solid Beads

**Color:** Mix of White and Blue

**Odor:** Odorless

**Odor threshold:** No Data

<u>Property</u>	<u>Value</u>	<u>Remarks – Method</u>
Vapor Pressure	Not Available	
Vapor Density	Not Available	
Relative Density	Not Available	
pH:	Not Available	
Melting/Freezing Point	Melting Point 1,422 Degrees F (772 Degrees C)	
Solubility	Readily soluble	
Evaporation Rate	Not Available	
Flash Point	Not Relevant	
Flammability Limits	Not Relevant	
Flammability (Solid, gas)	Not Relevant	
Auto Ignition Temperature	Not Available	
Initial Boiling Point/Boiling Range	Not Relevant	
Decomposition Temperature	Not Available	
Viscosity	Not Available	
Specific Gravity	Not Relevant	Bulk Density: 52-58 lb./ft.3

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable. Hygroscopic.

#### **Possibility of Hazardous Reactions:**

No Data Available.

**Conditions to Avoid:** None known

**Incompatible Materials:** Heat is generated when mixed with water. Avoid contact with: Sulfuric acid. Corrosive when wet. Flammable hydrogen may be generated from contact with metals such as Zinc and Sodium.

#### **Hazardous Decomposition Products**

Does not decompose.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Inhalation, Skin Contact, Eye Contact, Ingestion

### **Symptoms of Exposure:**

Ingestion of small amounts incidentally as a result of normal handling are not likely to cause injury; however swallowing larger amounts may result in gastrointestinal irritation or ulceration  
Brief contact with the skin is essentially non-irritating. Prolonged contact may cause skin irritation.  
Exposure to dust causes serious eye irritation.  
Inhalation of dust may cause respiratory tract irritation.

### **Numerical measures of toxicity:**

Component: Calcium Chloride  
Ingestion LD50, Rat 900-2,100 mg/kg  
Skin Absorption LD50, Rabbit >5000 mg/kg

### **Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

#### **Carcinogenicity: IARC, ACGIH, NTP, OSHA**

No components of this product are identified as a carcinogen or potential carcinogen.

**Specific target organ toxicity:** Single exposure – Category 3, Respiratory System,  
May cause respiratory irritation.

## **12. ECOLOGICAL INFORMATION**

**Eco toxicity:** Material is practically non-toxic to aquatic organisms.

**Persistence and Degradability:** No Data Available

**Bioaccumulation:** No Data Available

**Mobility:** No Data Available

**Other Adverse Effects:** No Data Available

## **13. DISPOSAL CONSIDERATIONS**

### **Waste Treatment Methods**

**Disposal of Wastes:** This product is not expected to be a hazardous waste under RCRA. Dispose of in conformance with all federal, state and local regulations.

**Contaminated Packaging:** Dispose of as unused material.

## **14. TRANSPORT INFORMATION**

**DOT:** Not Regulated

**IMDG:** Not Regulated  
**Marine Pollutant:** No

**IATA:** Not Regulated

## **15. REGULATORY INFORMATION**

### **International Inventories**

**TSCA:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**US Federal Regulations**  
**SARA 302:** None Known

**SARA 311/312 Hazard Categories:** Acute Health Hazard

**SARA 313 Hazard Components:** None Known

**CWA (Clean Water Act):** None Known

**Supplemental State Compliance Information**

California:

This product does not contain any chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

New Jersey Right To Know:

CAS Number	Component Name
10043-52-4	Calcium Chloride

Pennsylvania Right To Know:

CAS Number	Component Name
10043-52-4	Calcium Chloride

Massachusetts Right To Know:

None

**U.S. EPA Label Information:** No Data

**16. OTHER INFORMATION**

**HMIS Classification:**

<b>Health hazard:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Physical Hazards:</b>	<b>0</b>

**NFPA Rating:**

<b>Health hazard:</b>	<b>1</b>
<b>Fire:</b>	<b>0</b>
<b>Reactivity Hazard:</b>	<b>0</b>

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**Revision Note: Reviewed and Updated**

**Date of Previous Version: September 9, 2014**

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**