

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/m³

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:

Health hazard:	1
Flammability:	0
Physical Hazards:	0

NFPA Rating:

Health hazard:	1
Fire:	0
Reactivity Hazard:	0

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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