

# SAFETY DATA SHEET



Issue Date: June 27, 2017

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Version: 2017

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: FreezBan NC

### Other Means of Identification

SDS #: F6320

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

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

#### OSHA Hazards:

Causes eye irritation, causes skin irritation, harmful if swallowed

#### GHS Classification:

Eye damage/eye irritation – Category 2B

Acute toxicity, Dermal – Category 2

Acute toxicity, Oral – Category 4

Label Elements, including precautionary statements

Pictograms:



Signal Word: WARNING

### Hazard Statements:

H302 Harmful if swallowed

H315 Causes skin irritation

H320 Causes eye irritation.

## Precautionary Statement(s)

### Prevention:

- P264** Wash hands and skin thoroughly after handling.  
**P270** Do not eat, drink or smoke when using this product.  
**P280** Wear protective gloves/protective clothing/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.  
**P301+P312** IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
**P330** Rinse mouth  
**P302+P352** IF ON SKIN: Wash with plenty of soap and water.  
**P332+P313** If skin irritation occurs: Get medical attention/advice.  
**P362** Take off contaminated clothing and wash before reuse.

- Disposal: P501** Dispose of contents/container in accordance with local/regional/international regulations.

**Hazards Not Otherwise Classified: None known**

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Component

Calcium Nitrate Tetrahydrate	CAS#: 13477-34-4	60-65%
Water	CAS#: 7732-18-5	35-40%

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 an aqueous solution which will not burn. However, if evaporated to dryness it is an oxidizer and can sustain combustion. 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:** Calcium compounds and Nitrogen oxides

**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.

**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. Do not freeze. 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:** None available

**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:** Liquid

**Color:** Colorless to pale yellow

**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:	9.2 +/- 0.1	
Melting/Freezing Point	Not Available	
Solubility	Completely Miscible in Water	
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 Available	
Decomposition Temperature	Not Available	
Viscosity	Not Available	
Specific Gravity	1.42 +/- 0.01	11.8 lbs./gallon +/- 0.1

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable.

**Possibility of Hazardous Reactions:** No Data Available.

**Conditions to Avoid:** Avoid contact with extreme heat and incompatible materials.

**Incompatible Materials:** Avoid contact with: Flammable and combustible materials, strong reducing agents and finely powdered metals.

**Hazardous Decomposition Products:** Calcium Compounds and Nitrogen Oxides.

## 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.

Ingestion of large amounts of the nitrate component of this product may cause methemoglobinemia upon ingestion characterized by cyanosis, headache, dizziness, fatigue, nausea, vomiting, drowsiness, stupor, coma and rarely death.

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

Component: Calcium Nitrate Tetrahydrate (13477-34-4)

Ingestion LD50, Rat 3,900 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.

## 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

**D.O.T.:** Not Regulated

**I.M.D.G.:** Not Regulated

**Marine Pollutant:** No

**I.A.T.A.:** 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

None

Pennsylvania Right To Know:  
CAS Number                      Component Name  
None

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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**Revision Note: Reviewed and Updated**  
**Date of Previous Version: September 16, 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**