

# BHS Marketing

## *Western Briquette*

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### **MATERIAL SAFETY DATA SHEET**

#### **Calcium Chloride**

Date: January 30, 2001

#### **I Company Identification**

Company Name: BHS Marketing / Western Briquette  
Mailing Address: P.O. Box 27955 SLC, UT 84127-0955  
Physical Address: 2320 West Indiana Ave. SLC, UT 84104  
Telephone: (801) 973-8232  
Fax: (801) 973-8838  
Emergency Number: Chemtrec (800) 424-9300

#### **II Product Identification**

Product Name: Calcium Chloride  
Synonumous: Hydrofilite  
Molecular Formula:  $\text{CaCl}_2$   
Cas Number: 10043-52-4  
Percentage: 93% Min.

#### **III Typical Physical Properties**

Physical Appearance: White granular  
Molecular Weight: 110.99  
Melting Point: 1,421 degrees F  
Bulk Density: 40-50 lb/ft<sup>3</sup>  
Solubility in Water: Very soluble

#### **IV Reactivity Data**

Chemical Stability: It is a stable product at normal conditions  
Materials to Avoid: It is highly hygroscopic, releasing heat when solved in water

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### **V Recommended First Aid Measures**

Eye Exposure:	Wash immediately with running water, for at least fifteen minutes. Call a doctor or take patient to the nearest medical institution
Skin Exposure:	It is not absorbed through the skin. Wash with water until it is clean
Inhalation Exposure:	Take patient to an area with fresh air
Ingestion Exposure:	Immediately induce vomiting giving the patient two glasses of water and introduce finger in the throat
Additional Precautions:	Avoid contact with the eyes and prolonged exposure of the skin. The dissolution of Calcium Chloride is exothermic, water under 27 degrees C (80 degrees F) should be used

### **VI Accidental Release Measures**

Evacuation Procedure & Safety:	Calcium Chloride is a non-combustable chemical product. It is not susceptible to cause flames or explosions
Containment of Spills:	Fill a receptacle and properly label and close for later disposal
Waste Disposal:	Wash with plenty of water and contain to avoid its flow through fluvial routes and drainage. Ask for assistance for its disposal. Calcium chloride waste should be handled according to the actual State and/or Federal regulation
Clean up & Disposal of Spills:	If calcium chloride is spilled, it should be picked up with a shovel, filling a receptacle properly labeled and closed for later disposal
Environmental & Regulatory Reporting:	The dissolution of Calcium Chloride is neutralized adding Sodium Carbonate, to obtain a mixture of Calcium Carbonate and Sodium Chloride

### **VII Exposure Controls/ Personal Protection**

Appropriate Hygienic Practices:	As part of good industrial, personal hygiene and safety procedure, avoid all unnecessary exposure to the product and ensure prompt removal from eyes, skin and clothing. Maintain good housekeeping to control dust accumulations.
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### Personal Protection Equipment

Eye Protection:	Use safety glasses or goggles
Skin Protection:	Use gloves, apron and shoes made of synthetic material (leather clothes and items are damaged by calcium chloride)
Respiratory Protection:	Use a breathing mask with dust filter

### **VIII Additional Information**

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its accuracy and/or completeness. User should consult experts in their review of this MSDS prior to use of the product.

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\*n/a= Not Applicable