

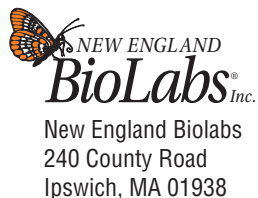


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## MATERIAL SAFETY DATA SHEET (MSDS)

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Revision Date: 12/2010

**NEB #B9021**

### SECTION 1—CHEMICAL INFORMATION

Magnesium Chloride (MgCl<sub>2</sub>) Solution

Sara 313: No

### SECTION 2—COMPOSITION/INFORMATION ON INGREDIENT

1. Magnesium Chloride < 10% Cas.# 7786-30-3

### SECTION 3—HAZARDOUS IDENTIFICATION

**Emergency Overview:** The hazards identified with this product are those associated with the following component: None  
**OSHA Hazards:** No known hazards.

#### HMIS Rating

Health: 1\*  
Flammability: 0  
Reactivity: 1

### SECTION 4—FIRST AID MEASURES

**Oral Exposure:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**Inhalation Exposure:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Dermal Exposure:** In case of contact, immediately wash skin with soap and copious amounts of water.

**Eye Exposure:** In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

### SECTION 5—FIRE FIGHTING MEASURES

**Extinguishing Media:** Water spray. Carbon dioxide, dry chemical powder or appropriate foam.

**Special Fire Fighting Procedures:** Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Fire and Explosion Hazards:** Combustible liquid. Emits toxic fumes under fire conditions.

**Flammability:** N/A

### SECTION 6—ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Exercise appropriate precaution to minimize direct contact with skin or eyes. Avoid dust formation.

**Environmental Precautions:** Do not let product enter drains.

**Methods For Cleaning Up:** Cover with dry lime, sand, or soda ash. Sweep up and shovel. Place in covered container for disposal.

## SECTION 7–HANDLING AND STORAGE

**Handling:** Provide appropriate exhaust ventilation.

**Storage:** Keep tightly closed in a dry and well ventilated place.

## SECTION 8–EXPOSURE CONTROLS/PPE

**Engineering Controls:** Safety shower and eye bath. Mechanical exhaust required.

**Personal Protective Equipment:** Gloves suitable to prevent exposure.

**Hand:** Compatible chemical-resistant gloves.

**Eye:** Chemical safety goggles.

**Skin Specific:** Chemical resistant

**General Hygiene Measures:** Wash hands thoroughly after handling. Wash contaminated clothing before use.

**Respiratory Protection:** None required.

## SECTION 9–PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Color:** Colorless

<u>Property</u>	<u>Value</u>	<u>Temperature or Pressure</u>
pH	N/A	
Boiling Point Range:	N/A	
Melting Point Range:	N/A	
Freezing Point:	N/A	
Vapor Pressure:	N/A	
Vapor Density:	1,080 g/cm <sup>3</sup>	
Volatile%:	N/A	
Viscosity:	N/A	
Auto Ignition Temp:	N/A	
Refractive Index:	N/A	
Solubility in Water:	Soluble	

## SECTION 10–STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.

**Materials to Avoid:** Sodium/sodium oxides

**Hazardous Decomposition Products:** Sulfur dioxides, Magnesium oxide.

## SECTION 11–TOXICOLOGICAL INFORMATION

### Route of Exposure

**Skin Absorption:** May be harmful if absorbed.

**Contact:** May cause skin irritation.

**Eye Contact:** May cause eye irritation.

**Inhalation:** May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

**Ingestion:** May be harmful if swallowed.

## SECTION 12–ECOLOGICAL INFORMATION

Data not available at this time.

## SECTION 13–DISPOSAL CONSIDERATIONS

**Appropriate Method of Disposal of Substance or Preparation:** Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

## SECTION 14–TRANSPORT INFORMATION

### DOT

Proper Shipping Name: None  
Non-hazardous for air transport.

### IMDG

Non-hazardous

### IATA

Hazard Label: None  
Non-hazardous for air transport.

## SECTION 15–REGULATORY INFORMATION

**OSHA Hazards:** None known.

### US Classification and Label Test

**US Statements:** Caution. Avoid contact and inhalation. Target Organ (s): Kidneys.

### United States Regulatory Information:

Sara Listed: No

TSCA Inventory Item: Yes

### Canada Regulatory Information

**WHMIS Classification:** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**DSL:** Yes

**NDSL:** No

### EU Additional Classification

S: 23 24/25

Safety Statements: Do not breath vapor. Avoid contact with skin and eyes.

### Massachusetts Right To Know Components

Not subject to the Massachusetts Right to Know Act

## SECTION 16–OTHER INFORMATION

### DISCLAIMER

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