# Barium Chloride, 0.7 M



#### Section 1

### **Product Description**

**Product Name: Recommended Use:** Synonyms: **Distributor:** 

Barium Chloride, 0.7 M Science education applications Barium Chloride, Water Solution Carolina Biological Supply Company 2700 York Road, Burlington, NC 27215 1-800-227-1150 800-227-1150 (8am-5pm (ET) M-F) 800-424-9300 (Transportation Spill Response 24 hours)

**Chemical Information:** Chemtrec:

### **Hazard Identification**

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

# DANGER

**Section 2** 



Toxic if swallowed. Harmful to aquatic life.

#### **GHS Classification:**

Acute Toxicity - Oral Category 3, Hazardous to the aquatic environment - Acute Category 3

**Acute Toxicity Dermal Contains** 

16.7 % of the mixture consists of ingredient(s) of unknown toxicity

CAS #

10361-37-2

%

83.3 16.7

Composition / Information on Ingredients

#### Section 3

Section 4

Chemical Name Barium Chloride (CAS# 10361-37-2) 16.7%

#### First Aid Measures

#### **Emergency and First Aid Procedures**

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

### Section 5

Eyes:

## **Firefighting Procedures**

**Extinguishing Media:** Use dry chemical, CO2 or appropriate foam. Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus. Fire and/or Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products. Use appropriate containment to avoid environmental contamination. Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

Section 6	Spill or Leak Procedures
Steps to Take in C Released or Spille	
Section 7	Handling and Storage
Handling:	Wash thoroughly after handling. Do no eat, drink or smoke when using this product. Avoid release to the environment. Do not breathe dust/vapor. Do not get in eyes, on skin, or on clothing. Retained residue may make empty containers hazardous; use caution.

Storage:

**Section 8** 

## **Protection Information**

Store locked up. Keep container tightly closed in a cool, well-ventilated place.

Store in a secure area suitable for toxic material.

	<u>ACGIH</u>		OSHA PEL	
Chemical Name	<u>(TWA)</u>	<u>(STEL)</u>	<u>(TWA)</u>	<u>(STEL)</u>
Barium Chloride, Anhydrous	0.5 mg/m3 TWA (as	N/A	0.5 mg/m3 TWA	N/A
	Ba)		(as Ba)	
Control Parameters				
Engineering Measures: No exposure limits exist for the constituents of this product. General room				om ventilation
	might be required to maintain operator comfort under normal conditions of u			
Personal Protective Equipment (PPE): Lab coat, apron, eye wash, safety shower.				
Respiratory Protection:	No respiratory protection required under normal conditions of use.			
Eye Protection:	Wear chemical splash goggles when handling this product. Have an eye wash station available.			
Skin Protection:	Avoid skin contact by wear	ring chemically re	esistant gloves, an apron ar	nd other protective
			se. Inspect gloves for chem	
and replace at regular intervals. Clean protective equipment regula			ective equipment regularly.	Wash hands and
	other exposed areas with work.	mild soap and wa	ter before eating, drinking,	and when leaving
Gloves:	Natural latex,, Natural rubb	per, Neoprene, N	itrile, Polyvinyl chloride	
Section 9	Physical	Data		

### Section 9

Formula: BaCl2 (aq) Molecular Weight: N/A Appearance: White Odor: No data available Odor Threshold: No data available pH: No data available Melting Point: No data available Boiling Point: 100 C Flash Point: No data available Flammable Limits in Air: N/A N/A

## <u>'nysical Data</u>

Vapor Pressure: 14 mm (water) Evaporation Rate (BuAc=1): N/A Vapor Density (Air=1): 0.7 (water) Specific Gravity: 1.01 Solubility in Water: Soluble Log Pow (calculated): No data available Autoignition Temperature: No data available Decomposition Temperature: No data available Viscosity: No data available Percent Volatile by Volume: N/A

Section 10		Re	activity Data		
Incompatible Materials:		No data available Stable under normal conditions. None known. Water-reactive materials, Strong oxidizing agents Will not occur			
Section 11		Toxicit	y Data		
· · · · · · · · · · · · · · · · · · ·	Inhalation, ingestio None Known No data available	n, eye or skin contact.			
Acute Toxicity: Chemical Name Water Barium Chloride, Anhyd	rous	CAS Number	Oral LD50 Oral LD50 Rat 90000 mg/kg Oral LD50 MAMMAL 398 mg/kg Oral LD50 Rat 118 mg/kg	Dermal LD50	Inhalation LC50
Carcinogenicity: Chemical Name No data available		CAS Number	IARC Not listed	<b>NTP</b> Not listed	OSHA Not listed
Chronic Effects: Mutagenicity: Teratogenicity: Sensitization: Reproductive: Target Organ Effects: Acute: Chronic:	No evidence of a mutagenic effect. No evidence of a teratogenic effect (birth defect). No evidence of a sensitization effect. No evidence of negative reproductive effects. See Section 2 Not listed as a carcinogen by IARC, NTP or OSHA.				
Section 12		Ec	ological Data		
Overview: Mobility: Persistence: Bioaccumulation: Degradability: Other Adverse Effects	No data No data No data No data	ial is not expected to b	e harmful to the ecolog	ју.	

**Chemical Name** Water Barium Chloride, Anhydrous CAS Number

**Eco Toxicity** 

**Disposal Information** 

No data available 48 HR EC50 DAPHNIA MAGNA 14.5 MG/L

### Section 13

**Disposal Methods:** 

Waste Disposal Code(s):

Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance. Not Determined

## Section 14

## **Transport Information**

#### Ground - DOT Proper Shipping Name:

Not regulated for transport

Air - IATA Proper Shipping Name: Not regulated for air transport by IATA.

### **Regulatory Information**

Section 15

All components in this product are on the TSCA Inventory.

Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
Barium Chloride, Anhydrous		Barium chloride CAS- No. 10361-37 -2 Revision Date 2007-07 -01	No	No	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.	No

## Section 16

## Additional Information

#### Revised: 09/12/2014

#### Printed: 09-12-2014

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Replaces: 09/03/2014

GI	ossary	

ACGIH	American Conference of Governmental	NTP	National Toxicology Program
	Industrial Hygienists	OSHA	Occupational Safety and Health Administration
CAS	Chemical Abstract Service Number	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response,	ppm	Parts per million
	Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health