# Barium Chloride, Dihydrate



### **Section 1**

#### **Product Description**

Product Name: Recommended Use: Synonyms: Distributor: Barium Chloride, Dihydrate Science education applications None Known 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 if inhaled.

#### **GHS Classification:**

Acute Toxicity - Oral Category 3, Acute Toxicity - Inhalation Gas Category 4

#### **Section 3**

Section 4

Section 5

# **Composition / Information on Ingredients**

CAS #

10326-27-9

%

100

<u>Chemical Name</u> Barium Chloride Dihydrate

### **First Aid Measures**

#### Emergency and First Aid Procedures

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
After contact with skin, wash immediately with plenty of water.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

# Firefighting Procedures

Extinguishing Media:Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this<br/>material.Fire Fighting Methods and Protection:Firefighters should wear full protective equipment and NIOSH approved self-contained<br/>breathing apparatus.Fire and/or Explosion Hazards:<br/>Hazardous Combustion Products:None Known<br/>Carbon dioxide, Carbon monoxide, Hydrogen chloride

### **Section 6**

# Spill or Leak Procedures

Barium Chloride, Dihydrate

		-				
Steps to Take in Released or Spill	led: ex nu ci aa sp pr cc P tc re g	xposure to the spilled materia quipment recommendations f eeds must be evaluated base rcumstances created by the rea in which the spill occurred bill. Never exceed any occup rotective equipment should b ompleted. revent the spread of any spill o do so. Wear complete and p ecommendation of Section 8 ranulated clay. Gather and st o not breathe dust/fume/gas/	found in Section 8 ed on information spill including; the d, and the expertis ational exposure 1 e excluded from a l to minimize harm proper personal pr at a minimum. Dik tore in a sealed co	of this SDS. Personal prot provided on this sheet and material spilled, the quanti se of employees in the area imits. Persons not wearing area of spill until clean-up ha to human health and the e rotective equipment following the with suitable absorbent no ontainer pending a waste di	ective equipment the special ity of the spill, the a responding to the appropriate as been environment if safe ng the naterial like	
Section 7		Handling and	l Storage			
Handling:	Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do no eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Do not breathe dust. After contact with skin, wash immediately with plenty of water. Avoid excess heat. Readily absorbs moisture from air. Avoid contact with clothing.			n and eyes. Do not		
Storage:	Store locked up. Keep container tightly closed.					
Storage Code:	Keep in a cool, well-ventilated place away from (incompatible materials to be indicated by the manufacturer).Storage Code:Blue - Toxic. Store separately in a secured area.					
Section 8		Protection Inf	iormation			
		ACGIH		<u>OSHA F</u>		
<u>Chemical Name</u> Barium Chloride D	Dihydrate	<b>(TWA)</b> 0.5 mg/m3 TWA (as Ba)	<u>(STEL)</u> N/A	<b>(TWA)</b> 0.5 mg/m3 TWA (as Ba)	(STEL) N/A	
Control Parameters Engineering Measures: Personal Protective Equipment (PPE): Respiratory Protection:		Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Lab coat, apron, eye wash, safety shower. Respiratory protection may be required to avoid overexposure when handling this				
Respiratory protection.Respiratory protection may be required to avoid overexposure when nanding to product. General or local exhaust ventilation is the preferred means of protection respirator if general room ventilation is not available or sufficient to eliminate syn A supplied air type respirator may be required. Wear a NIOSH/MSHA-approved (or equivalent) full-facepiece airline respirator i positive pressure mode with emergency escape provisions				protection. Use a ninate symptoms.		
Eye Protection:		Wear chemical splash goggles when handling this product. Have an eye wash station available.				
Skin Protection:		Avoid skin contact by wearing chemically resistant gloves, an apron and other protective				

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Butyl rubber, Natural rubber, Nitrile

# Section 9

Gloves:

Physical Data

Formula: BaCl2 \* 2H2O Vapor Pressure: N/A Molecular Weight: 244.27 Evaporation Rate (BuAc=1): N/A Appearance: Crystalline Solid Vapor Density (Air=1): N/A Specific Gravity: 3.86 (anhydrous) Odor: No data available Solubility in Water: Soluble Odor Threshold: No data available Log Pow (calculated): No data available pH: No data available Melting Point: No data available 960 C Autoignition Temperature: No data available Boiling Point: No data available Decomposition Temperature: No data available Flash Point: No data available Viscosity: No data available Flammable Limits in Air: N/A Percent Volatile by Volume: 0%

### Section 10

### **Reactivity Data**

Reactivity:	
Chemical Stability:	
Conditions to Avoid:	
Incompatible Materials:	
<b>Hazardous Decomposition Pro</b>	oducts:
Hazardous Polymerization:	

No data available Stable under normal conditions. None known. Strong oxidizing agents Hydrogen chloride, Carbon dioxide, Carbon monoxide Will not occur

### Section 11

### Toxicity Data

Routes of Entry Symptoms (Acute): Delayed Effects:	Inhalation, ingestion, eye or skin contact. None Known No data available				
Acute Toxicity: Chemical Name Barium Chloride Dihydr	ate	CAS Number 10326-27-9	<b>Oral LD50</b> Oral LD50 Rat 118 mg/kg Oral LD50 MAMMAL 398 mg/kg	Dermal LD50 Not determined	Inhalation LC50 Not determined
Carcinogenicity: Chemical Name No data available		<b>CAS Number</b> 10326-27-9	IARC Not listed	NTP Not listed	OSHA Not listed
Chronic Effects: Mutagenicity: Teratogenicity: Sensitization: Reproductive: Target Organ Effects:	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.				

# Section 12

Acute:

Chronic:

**Ecological Data** 

Overview: Mobility: Persistence: Bioaccumulation: Degradability: Other Adverse Effects: This material is not expected to be harmful to the ecology. No data No data No data No data No data

Not listed as a carcinogen by IARC, NTP or OSHA.

**CAS Number** 

10326-27-9

**Chemical Name** N/A

Section 13

# **Disposal Information**

**Eco Toxicity** 

**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:

UN1564, Barium Compounds, N.O.S., 6.1, III

See Section 2

Air - IATA Proper Shipping Name:

UN number: 1564 Class: 6.1 Packing group: III Proper shipping name: Barium compound, n.o.s. (Barium chloride dihydrate)

# Section 15

**Regulatory Information** 

TSCA Status:	A component (or components) of this product is not listed on the TSCA Inventory of Existing Chemical Substances. Product is for research and development use only.					
Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
No data available	10326-27-9	No	No	No	No	No

# Section 16

Revised: 09/09/2015

#### Replaces: 09/03/2014

#### Printed: 10-29-2015

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.

**Additional Information** 

#### Glossary

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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