

IMPORTANT

MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL

OSHA requires that this form be kept on file.

Product No. C3232R

Product Name BARIUM CHLORIDE, ANHYDROUS

SECTION IIHAZARDOUS INGREDIENTS OF MIXTURES			
Principal Hazardous Component(s)	%	P.E.L.	TLV Units
*Barium Chloride (10361-37-2)	99	0.5mg(Ba)/mg ³	0.5mg(Ba)/mg ³
Contains 55.2% Barium (as the element)			
★ chemical subject to the reporting requirements of SARA Title III.			

SECTION II				PHYSICAL DATA	
Melting Point (°F)	235°	Specific Gravity (H ₂ O=1)	3.094		
Boiling Point (°F)	2840°	Percent Volatile by Volume (%)	N/A		
Vapor Pressure (mm Hg)	Negligible	Evaporation Rate (..... =1)	N/A		
Vapor Density (Air=1)	N/A				
Solubility in Water	Soluble				
Appearance & Odor	White odorless crystals.				

SECTION IV FIRE AND EXPLOSION HAZARD DATA				
Flash Point (Method Used)	None	Flammable Limits in Air % by Volume N/A	Lower	Upper
			N/A	N/A
Extinguisher Media	Dry chemical, carbon dioxide, water spray or foam.			
Special Firefighting Procedures				

Negligible fire hazard when exposed to heat or flame. Large fires in surrounding area may cause hazardous vapors. Keep upwind.

Unusual Fire and Explosion Hazards	
Do not scatter spilled material with more water than needed for fire control.	

D.O.T.	Barium compounds, n.o.s. (Barium chloride), 6.1, UN1564, PGIII
Approved by U.S. Department of Labor "essentially similar" to form OSHA-20	

24 HOUR EMERGENCY ASSISTANCE		
CHEMTREC 800-424-9300		
HAZARD RATING		
4-EXTREME	Health Hazard	3
3-SEVERE	Flammability	0
2-MODERATE	Reactivity	0
1-SLIGHT		
0-MINIMAL		

SECTION INAME	
Chemical Synonyms	NONE
Formula	BaCl ₂
C.A.S. No.	10361-37-2

SECTION VHEALTH HAZARD DATA	
Threshold Limit Value	
See Section II	
Effects of Overexposure	
Inhalation: Dangerous to health. May cause skin irritation. Poisonous if swallowed. Solutions may be irritating to respiratory tract, skin, eyes and if ingested, will cause vomiting, violent diarrhea, abdominal pain.	

Emergency and First Aid Procedures	
Remove from exposure area. Remove contaminated clothing and wash area with soap and water. Wash eyes with large amounts of water. If swallowed, Induce vomiting and seek medical attention immediately.	

SECTION VI REACTIVITY DATA	
Stability	Conditions to Avoid
Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	Bromine Trifluoride: rapidly attacks barium chloride: violent reaction. Organic matter: violent reaction
Incompatibility (Materials to Avoid)	Keep away from combustible material.
Hazardous Decomposition Products	Thermal decomposition products may include toxic and hazardous oxides of barium and corrosive Hydrochloric Acid.
Hazardous Polymerization	Conditions to Avoid
May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	None reported.

SECTION VII SPILL OR LEAK PROCEDURES	
Steps to be Taken in Case Material is Released or Spilled	
Take up with suitable inert absorbent material. Residue can be flushed to sewer with water.	

Waste Disposal Method	
Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Treat with Epsom Salts to precipitate barium as barium sulfate. This sludge can be taken to a landfill or washed to the sewer. Containers can be incinerated.	

SECTION VIII SPECIAL PROTECTION INFORMATION				
Respiration Protection (Specify Type)	NIOSH approved dust mask.			
Ventilation	Local Exhaust	x	Special
	Mechanical (General)	x	Other
Protective Gloves	Rubber or Latex		Eye Protection	Safety Goggles
Other Protective				

SECTION IXSPECIAL PRECAUTIONS	
Precautions to be Taken in Handling & Storing	
Keep container tightly closed when not in use.	
Store in cool dry place away from combustible material.	

Other Precautions	
Read label on container before using. Do not wear contact lenses when working with chemicals.	
None	

Approved by	Steven C. Quandt	Effective Date	12/16/97	For laboratory use only. Not for drug, food or household use. Keep out of reach of children.
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