

MATERIAL SAFETY DATA SHEET

Barium Chloride

SECTION 1 . Product and Company Identification

Product Name and Synonym: Barium Chloride
Product Code: B0375
Material Uses:
Manufacturer: Science Stuff
1104 Newport Ave
Austin, TX 78753
(512) 837-6020
Entry Date : 5/24/2013
Print Date: 5/24/2013
24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	3
Flammability:	0
Reactivity:	0

Hazard Rating:
Least Slight Moderate High Extreme
0 1 2 3 4
NA=Not Applicable NE=Not Established

SECTION 2 HAZARD IDENTIFICATION

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input checked="" type="checkbox"/>	Barium Chloride	CAS# 10326-27-9	100%	W/W	OSHA PEL 0.89 mg/mf

SECTION 4 FIRST AID MEASURES

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire
Fire / Explosion Hazards: None Known.
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Barium Chloride

Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Wear dust mask
Ventilation
Local Exhaust
Mechanical
Protective Gloves: Wear appropriate gloves to prevent skin exposure
Eye Protection: Splash Goggles
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	963° C	Percent Volatile by Volume:	0
Boiling Point:	1560° C	Evaporation Rate	not applicable
Vapor Pressure:	not applicable	Evaporation Standard	
Vapor Density:	not applicable	Auto Ignition Temp	Not applicable
Solubility in Water:	43 gms/100 mls water @30° C	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	white odorless crystals	Upper Flamm. Limit in Air	Not applicable
Flash Point:	not flammable		
Specific Gravity:	3.1		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: keep away from intense heat
Materials to Avoid:
Hazardous Decomposition Products: none known
Hazardous polymerization: not known to occur
Conditions to Avoid: None known

SECTION 11 Toxicological Information

SECTION 12 Ecological Information

SECTION 13 Disposal Considerations

SECTION 14 Transport Information

Barium Chloride

DOT Classification: Barium Compounds, n.o.s., (Barium Chloride), 6.1, UN1564, PG III

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

SECTION 16 Additional Information

Toxic by ingestion. Ingestion may cause severe abdominal pain, violent purging with bloody stool, confusion, paralysis, First aid: have victim drink one tablespoon of epsom salts dissolved in water. If victim is not vomiting, induce using syrup of ipecac, or stick finger down throat. For eye contact, flush with plenty of water for 15 minutes, seek medical aid.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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