Material Safety Data Sheet

Barium Chloride Solution, 10% Neutralized (RXSOL-60-6263-250)

1. Product and Company Identifaction

Product Name	Barium Chloride Solution, 10% Neutralized
Product Type	RXSOL-60-6263-250

Company Details:

RX MARINE INTERNATIONAL
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VASHI ,NEW BOMBAY 400703 INDIA

Phone	+91 22 65113333 / 5555 / 9999
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2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Barium Chloride	CAS# 10326-27-9	10%	W/V	OSHA PEL0.89 mg/m*f*
Water, Deionized ASTM Type II	CAS# 7732-18-5	90%	V/V	None Established

3. Hazards Identification

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

Emergency Overview: Danger! May Be Fatal If Swallowed. Harmful If Inhaled. May Cause Irritation To Skin, Eyes, And Respiratory Tract. Affects Heart, Respiratory System, And Central Nervous System.

Inhalation: Irritates the Respiratory Tract. May Produce Sore Throat, Coughing and Labored Breathing. Other Symptoms may Parallel Ingestion.

Ingestion: Toxic! May Cause Sever Gastroenteritis, Including Abdominal Pain, Vomiting and Diarrhea. May Cause Tremors, Faintness, Paralysis of Arms and Legs, and Slow or Irregular Heartbeat. Severe Cases may Produce Collapse and Death on Respiratory Failure. Estimated Lethal Dose in Humans: 1 gram of Barium Chloride.

Skin: May Cause Irritation with Redness and Pain.

Eye Contact: May Cause Irritation, Redness, Pain, or Blurred Vision.

Chronic Exposure: No Information Found.

Aggravated by Exposure: Persons with Pre-Existing Skin Disorders or Impaired Respiratory Function may be More Susceptible to the Effects of the Substance.

4. First Aid Measures

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts.Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

SKIN:	Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention.
EYES:	Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally.

INGESTION:	Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

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

6. Accidental Release Measures

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

Ventilate area or Leak or Spill. Remove all Sources of Ignition.Wear Appropriate Personal Protective Equipment as Specified in Section 8. Isolate Hazard Area. Keep Unnecessary and Unprotected Personnel from Entering. Contain and Recover Liquid when Possible. Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth), and Place in a Chemical Waste Container.Do Not Use Combustible Materials, such as Saw Dust. Do Not Flush to Sewer!

7. Handling and Storage

Wash thoroughly after handling. Store in a cool dry ventilated storage area. Keep out of direct sunlight
and away from heat, water and incompatible materials. Remove contaminated clothes and wash before reuse. Use with adequate ventilation..

8. Exposure controls and personal protection

Respiratory Protection	None required
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Gloves to prevent skin exposure as rubber or vinyl
EYE PROTECTION	Splash Goggles
Other Protective Equipment	Use safe laboratory handling procedures.

9. Physical and chemical properties

BOILING POINT	~0° C (32° F)
VAPOR PRESSURE	Information not available
MELTING POINT	~100° C(212° F)
VAPOR DENSITY	Information not available
EVAPORATION RATE	Information not available
Appearance /Odors	Clear liquid,odorless

Flash Point	Information not available
Specific Gravity	1.0 - 1.092
Percent Volatile by Evaporation Standard	90%
Auto Ignition Temp	Not applicable
Lower Flamm. Limit in Air	Not applicable
Upper Flamm. Limit in Air	Not applicable
Solubility in Water	Soluble

10. Stability and reactivity

STABILITY	Stable
CONDITIONS TO AVOID	Keep away from intese heat
MATERIALS TO AVOID	Bromine trifluoride; 2-furan percaboxylic acid
HAZARDOUS DECOMPOSITION PRODUCTS	Barium Compounds
HAZARDOUS POLYMERIZATION	will not occur
Conditions to Avoid	None known

11. Toxicological information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- None

12. Ecological information

Environmental Fate: This Material is Expected to Significantly Bioaccumulate.

Environmental Toxicity: No information found.

13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements

14. Transport information

DOT Classification: UN3287, Toxic Liquid, Inorganic, n.o.s.(Barium Chloride), 6.1, PG III

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

15. Regulatory information

Chemical Inventory Status –
Part 1:Ingrdient
Barium Chloride (10361-37-2)
TSCA Yes
EC Yes
Japan YES
Australia Yes

Chemical Inventory Status –
Part 2:Ingredient
Barium Chloride (10361-37-2)
Korea Yes
DSL Yes
NDSL No
Phil. Yes

Federal, State & International Regulations –
Part 1: Ingredient.
Barium Chloride (10361-37-2)
RQ No
TPQ No
List NO
Chemical Catg BARIUM COMPO

Federal, State &
International Regulations –
Part 2:Ingredient
Barium Chloride (10361-37-2)
CERCLA NO
261.33 No
8(d) No
Chemical Weapons Convention: No
TSCA 12 (b):No
CDTA:No PURE/SOLID
SARA 311/312: Acute:YES
Chronic: No
Fire: No
Pressure: No
Reactivity: No
Australian Hazchem Code: 2Z
Poison Schedule:S6

16. Other 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. Estimated lethal dose in humans:1 Flammability

Health Reactivity

Revisions	NFPA
7/30/2010	0.1 updated msds to 16 section from 10 section msds. STN
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