

1. Product and Company Identification

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

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Barium Chloride	CAS# 10326-27-9	10%	W/V	OSHA PEL0.89 mg/m ³
Water, Deionized ASTM Type II	CAS# 7732-18-5	90%	V/V	None Established

3. Hazards Identification

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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 Severe 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

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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

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Fire Extinguisher Type:

Any means suitable for extinguishing surrounding fire

Fire Extinguisher Remarks:

None

Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing to protect skin and clothing.

6. Accidental Release Measures

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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

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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

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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

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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
Precise Volatile by	90%
Evaporation Residual	
Acid Equivalents Temp	Not applicable
Lower Flammable Limit in Air	Not applicable
Upper Flammable Limit in Air	Not applicable
Solubility in Water	Soluble

10. Stability and reactivity

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STABILITY

CONDITIONS TO AVOID

MATERIALS TO AVOID

HAZARDOUS DECOMPOSITION

PRODUCTS

HAZARDOUS POLYMERIZATION

Conditions to Avoid

Keep away from direct heat

Bromine trifluoride; 2-furan percarboxylic acid

Barium Compounds

will not occur

None known

11. Toxicological information

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

12. Ecological information

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Environmental Fate: This Material is Expected to Significantly Bioaccumulate.

Environmental Toxicity: No information found.

13. Disposal considerations

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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

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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

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Chemical Inventory Status

Part 1:Ingredient

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

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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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