

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-60-6198-500  
Product Type Sulfate Indicator Solution

### 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
<small>Sulfur Dioxide</small>	<small>CAS# 7446-09-5</small>	9 -10	W/V	OSHA PEL 0.89 mg/m <sup>3</sup>
Hydrochloric Acid	CAS# 7647-01-0	1 - 6%	V/V	OSHA PEL (C) 5 ppm, (C) 7 mg/m <sup>3</sup>
Water, Deionized ASTM Type II	<small>CAS# 7732-18-5</small>	85-96%	V/V	None Established

## 3. Hazards Identification

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May cause irritation and burns. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Emergency Overview:Ingestion may Cause Gastronintestinal Disturbances. May Cause Eye Irritation, Redness and Pain.

Inhalation:Not Expected to Be a Health Hazard.

Ingestion:Large Oral Doses may Cause Gastrointestinal Disturbances.

Skin:No Adverse Effects Expected.

Eye Contact:May Cause Irritation, Redness and Pain.

Chronic Exposure:No Information Found.

Aggravated by Exposure:No Information Found.

## 4. First Aid Measures

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May cause irritation and burns. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

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. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, provide respiration. If breathing is difficult, give oxygen.
INGESTION:	Give several glasses of milk or water. Vomiting may occur spontaneously. NOT INDUCE! Never give anything by mouth to an unconscious person.

## 5. Fire-fighting Measures

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Fire Extinguisher Type:

Any foam suitable for extinguishing hydrocarbon fires

Fire / Explosion Hazards:

None

Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

## 6. Accidental Release Measures

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Absorb spill with inert material, then place in a chemical waste container. Neutralize with a weak base.

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Contain and Recover Liquid when Possible

## 7. Handling and Storage

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Store in a cool dry place. Do not get on skin, on skin, on clothing. Wash thoroughly after handling. Keep out of direct sunlight, away from heat, water and incompatible materials. Container may be

## 8. Exposure controls and personal protection

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Respiratory Protection	None required
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Wear appropriate gloves to prevent skin exposure
EYE PROTECTION	Splash Goggles
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

## 9. Physical and chemical properties

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BOILING POINT	Information not available
VAPOR PRESSURE	Information not available
MELTING POINT	Information not available
VAPOR DENSITY	Information not available
EVAPORATION RATE	Information not available
Appearance /Odors	Clear colorless liquid/no
Flash Point	Information not available
Specific Gravity	Information not available

Product Name: 10

1000

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

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### STABILITY

CONDITIONS TO AVOID Avoid Light

### MATERIALS TO AVOID

Alkalis, amines, phosphates, bases

### HAZARDOUS DECOMPOSITION PRODUCTS

HCl, Fluorine, Chlorine

HAZARDOUS POLYMERIZATION Will Not Occur

Conditions to Avoid None known

## 11. Toxicological information

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Carcinogenic References: Hydrogen Chloride - IARC Category 3, NTP Carcinogen - Known:  
No

## 12. Ecological information

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Environmental Fate: When Released into the Soil, this Material is Not Expected to Biodegrade.  
When Released into the Soil, this Material may Leach into Groundwater.

## 13. Disposal considerations

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Dilute with Water and Flush to Sewer if Local Ordinances Allow, Otherwise, Whatever Cannot be Saved for Recovery or Recycling should be Managed in an Appropriate and Approved Waste Disposal 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: UN1789, Hydrochloric Acid Solution, 8, 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)

Hydrogen Chloride (7647-01-0)

TSCA Yes YES

EC Yes YES

Japan YES YES

Australia Yes YES

Chemical Inventory Status ☐

Part 2:Ingredient

Barium Chloride (10361-37-2)

Hydrogen Chloride (7647-01-0)

Korea Yes YES

DSL Yes YES

NDSL No NO

Phil. Yes YES

Federal, State & International Regulations ☐

Part 1: Ingredient.

Barium Chloride (10361-37-2)

Hydrogen Chloride (7647-01-0)

RQ No 5000

TPQ No 500

List NO YES

Chemical Catg: BARIUM COMP No

Federal, State &

International Regulations ☐

Part 2:Ingredient

Barium Chloride (10361-37-2)

Hydrogen Chloride (7647-01-0)

CERCLA NO 5000

261.33 No NO

8(d) No NO

Chemical Weapons Convention: No

TSCA 12 (b):No

## 16. Other information

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Overexposure symptoms: Corrosive effects.: Acute-Irritation possible to skin, eyes, lungs, mucous membranes, and GI tract. Chronic- none known. Conditions aggravated/Target organs: Persons with preexisting skin, eye, or respiratory disorders may be more susceptible. May be Toxic by ingestion. Ingestion may cause severe abdominal pain, violent purging with bloody stool, confusion, paralysis, For eye contact, flush with plenty of water for

### Flammability

### Health

### Reactivity

### Revisions

7/30/2010

### NFPA

0.1 updated msds to 16 section from 10 section msds. STN

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