

1. Product and Company Identification

www.rxmarine.com

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

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Phone +91 22 65113333 / 5555 / 9999
Fax +91 22 2781 1318 :::AOH :0091 9821214367
Email mail@rxmarine.com

2. Composition / Information on ingredients

www.rxmarine.com

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<small>Hydrochloric Acid</small>	<small>CAS# 7647-01-0</small>	9 -10	W/V	OSHA PEL 0.89 mg/m ³
Hydrochloric Acid	CAS# 7647-01-0	1 - 6%	V/V	OSHA PEL (C) 5 ppm, (C) 7 mg/m ³
Water, Deionized ASTM Type II	<small>CAS# 7732-18-5</small>	85-96%	V/V	None Established

3. Hazards Identification

www.rxmarine.com

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

www.rxmarine.com

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 artificial respiration. If breathing is difficult, give oxygen.

INGESTION:

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

5. Fire-fighting Measures

www.rxmarine.com

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 fumes and clothing.

6. Accidental Release Measures

www.rxmarine.com

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

www.rxmarine.com

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

8. Exposure controls and personal protection

www.rxmarine.com

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

www.rxmarine.com

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

Section 9: Physical and chemical properties

Specific Gravity

Pressure Vessels by	2015
Equipment Number	
Ann Spectroscopy 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

www.rxmarine.com

STABILITY

CONDITIONS TO AVOID Avoid Light

MATERIALS TO AVOID

Hydrolysis, amines, phosphates, bases

HAZARDOUS DECOMPOSITION PRODUCTS

HCl, Fluorine, Chlorine

HAZARDOUS POLYMERIZATION Will Not Occur

Conditions to Avoid None known

11. Toxicological information

www.rxmarine.com

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

12. Ecological information

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

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
0

The information herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of the information whether originating from the above mentioned company or not. Users of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material

DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.