Material Safety Data Sheet

Iron Sulfide Detection Solution (RXSOL-60-6259-500)

1. Product and Company Identifaction

Product Name	RXSOL-60-6259-500
Product Type	Iron Sulfide Detection 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
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2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Hydrochloric Acid	CAS# 7647-01-0	~40%	V/V	OSHA PEL (C) 01-0 5 ppm, (C) 7 mg/m*f*
Sodium m-Arsenite	CAS#: 7784-46-5	1.5%	W/V	OSHA PEL 0.01 mg (As)/M3 ACGIH TLV: TWA 0.2
Water, Deionized ASTM Type II	CAS# 7732- 18-5	Balance	V/V	None Established

3. Hazards Identification

Causes severe 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: Danger! May Be Fatal if Swallowed or Inhaled. Cancer Hazard. Contains Inorganic Arsenic Which Can Cause Cancer. Risk of Cancer Depends on Duration and Level of Exposure.

Inhalation: CORROSIVE! Inhalation of Vapors can cause Coughing, Choking, Inflammation, of the Nose, Throat, and Upper Respiratory Tract, and in Severe Cases, Pulmonary Edema, Circulatory Failure, and Death.

Ingestion: CORROSIVE! Swallowing Hydrochloric Acid can cause Immediate Pain and Burns of the Mouth, Throat, Esophagus, and Gastrointestinal Tract. May cause Nausea, Vomiting, and Diarrhea, and in Severe Cases, Death.

Skin: CORROSIVE! Can cause Redness, Pain, and Severe Skin Burns. Concentrated Solutions Cause Deep Ulcers and Discolor of Skin.

Eye Contact: CORROSIVE! Vapors are Irritating and May cause Damage to Eyes. Contact May cause Severe Burns and Permanent Eye Damage.

Chronic Exposure: Long-Term Exposure to Concentrated Vapors May cause Erosion of Teeth. Long-Term Exposures Seldom Occur due to the Corrosive Properties of the Acid.

Aggravated by Exposure: Persons with Pre-Existing skin Disorders or Eye Disease May be more Susceptible to the Effects to this Substance.

4. First Aid Measures

Causes severe 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:	In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. CALL A PHYSICIAN. 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	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:	may release toxic fumes of arsenic in a fire.
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 of Leak or Spill. 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. Neutralize with Alkaline Material (Soda- Ash, Lime), then 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! US Regulations (CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable Quantities.

7. Handling and Storage

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

8. Exposure controls and personal protection

Respiratory Protection	NIOSH approved dust mask
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Gloves to prevent skin exposure as rubber or vinyl

EYE PROTECTION	Splash Goggles
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

BOILING POINT	~100° C
VAPOR PRESSURE	not available
MELTING POINT	~0° C
VAPOR DENSITY	not available
EVAPORATION RATE	Information not available
Appearance /Odors	colorless odorless liquid
Flash Point	not flammable
Specific Gravity	Information not available
Percent Volatile by Evaporation Standard	>98%
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	Temperature extremes, incompatibilities
MATERIALS TO AVOID	Tannic acid, iron solutions, fluorine, mercury, Chlorine trifluoridea
HAZARDOUS DECOMPOSITION PRODUCTS	Releases toxic fumes of arsenic when heated. HCl
HAZARDOUS POLYMERIZATION	not expected to occur

Conditions to Avoid	None known

11. Toxicological information

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

Sodium Arsenite - IARC Category 1, NTP Carcinogen - Known: Yes

12. Ecological information

Environmental Fate: No Information Found.

Environmental Toxicity: This material is expected to be toxic to aquatic life.

13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to 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: UN2922, Corrosive Liquid, Toxic, n.o.s. (Hydrochloric Acid, Sodium Arsenite), 8,

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
Hydrogen Chloride (7647-01-0)
Sodium Arsenite (7784-46-5)

TSCA	Yes	YES
EC	Yes	YES
Japan	YES	YES
Australia	Yes	YES

Chemical Inventory Status –
Part 2:Ingredient
Hydrogen Chloride (7647-01-0)
Sodium Arsenite (7784-46-5)

Korea	Yes	YES
DSL	Yes	YES
NDSL	No	NO
Phil.	Yes	YES

Federal, State & International Regulations –
Part 1: Ingredient.
Hydrogen Chloride (7647-01-0)
Sodium Arsenite (7784-46-5)
RQ 5000 1
TPQ 500 500
List LIST NO
Chemical Catg No ARSNIC COMP

Federal, State &
International Regulations –
Part 2:Ingredient
Hydrogen Chloride (7647-01-0)
Sodium Arsenite (7784-46-5)
CERCLA 5000 1
261.33 No NO
8(d) No NO

Chemical Weapons Convention: No
TSCA 12 (b):No
CDTA:No MIXTURE/LIQUID
SARA 311/312: Acute:YES
Chronic: YES
Fire: No
Pressure: No
Reactivity: No
Poison Schedule:S5

16. Other information

DANGER! CARCINOGEN! CORROSIVE! Effects of exposure Acute and chronic: Inhalation: inflammationof mucous membranes, cough, dyspnea, cyanosis, Oral: May cause burning, vomiting, nausea, bloody diarrhea, low blood pressure, coma, death. Skin contact: May cause irritation, pain, dermatitis. Eye contact may cause redness, irritation, pain, conjunctivitis.Target Organs: liver, kidneys. Persons with existing skin, eye, kidney or liver problems may be more susceptible. Corrosive! Persons with preexisting skin, eye and respiratory disorders may be more susceptible. Acute: Severe irritation or burns to skin, eyes, respiratory tract and

Flammability

Health Reactivity

Revisions	NFPA
	0
7/30/2010	0.1 updated msds to 16 section from 10 section msds. STN

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