

1. Product and Company Identification

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Product Name RXSOL-60-6259-500
Product Type Iron Sulfide Detection 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>Hydrochloric Acid</small>	<small>CAS# 7647-01-0</small>	<small>40%</small>	V/V	OSHA PEL (C) 01-0 5 ppm, (C) 7 mg/m ³
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

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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.

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

Ingestion: CORROSIVE: Swallowing Hydrochloric Acid can cause Irritation 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 Decolor 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 Exposure Solutions Cause Also to the Corrosive Properties of the Acid.

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

4. First Aid Measures

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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

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Fire Extinguisher Type:

Any means suitable for extinguishing ordinary fire

Fire/Explosion Hazards:

May release toxic fumes of ammonia in a fire.

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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Although GHS will not be used, this place is 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. Contains and Absorbent Liquid when Possible. Neutralize with Alkaline Material (e.g., 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 Reported Quantities.

7. Handling and Storage

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

8. Exposure controls and personal protection

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Respiratory Protection

NIOSH approved dust mask

Ventilation

Local

OTHER

Mechanical

Goggles to prevent skin exposure to vapors or mist

Protective Gloves

Spill Kit

EYE PROTECTION

Other Protective Equipment

Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

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BOILING POINT

-100° C

VAPOR PRESSURE

not available

MELTING POINT

-10° C

VAPOR DENSITY	not available
EVAPORATION RATE	Information not available
Appearance /Odors	colorless odorless liquid
Flash Point	not flammable
Specific Gravity	Information not available
Pressure Volatile to	not applicable
Evaporation Residual	not applicable
Acid 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	Stable
CONDITIONS TO AVOID	Temperature extremes, incompatibilities
MATERIALS TO AVOID	Exposure to air, moisture, oxidizers, acids, bases, chlorine, fluorine
HAZARDOUS DECOMPOSITION PRODUCTS	Release toxic fumes of arsenic when heated (AC2)
HAZARDOUS POLYMERIZATION	not expected to occur
Conditions to Avoid	None known

11. Toxicological information

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

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

12. Ecological information

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Environmental Fate: No Information Found.

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

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 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: 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

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Chemical Inventory Status
Part 1: Ingridient

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

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DANGER! CARCINOGEN! CORROSIVE! Effects of exposure Acute and chronic: Inhalation: inflammation of 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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