Material Safety Data Sheet

Aluminum Chlorid 0.1 M (RXSOL-60-6274-100)

1. Product and Company Identifaction

Product Name	RXSOL-60-6274-100
Product Type	Aluminum Chlorid 0.1 M

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Aluminum Chloride Hexahydrate	CAS# 7784-13-6	2 - 3%	W/V	ACGIH TWA 2 mg (Al)/m*f*
Water, Deionized ASTM Type II	CAS# 7732- 18-5	97-98%	V/V	None Established

3. Hazards Identification

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: May Cause eye and skin burns. May cause severe respiratory tract irritation with possible burns. May cause severe digestive tract irritation with possible burns. Water-Reactive.

Inhalation: Mists are Irritants to Respiratory Tract.

Ingestion: Swallowing may Cause Burns of the Mouth, Throat and Stomach.

Skin: Can be Corrosive to Skin. May Cause Irritation.

Eye Contact: May Cause Irritation to Eyes, and with Greater Exposure, Severe Burns with Possibly Blindness Resulting. Sodium Azide: Causes Irritation, Redness, Pain, and Blurred Vision.

Chronic Exposure: Persons with Pre-Existing Skin Disorders may be Susceptible to these Solutions.

Aggravated by Exposure: Chronic Respiratory Disease, Pre-Existing Eye Problems and Skin Disease.

4. First Aid Measures

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. 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

5. Fire-fighting Measures

Fire Extinguisher Type:	Any means suitable for extinguishing surrounding fire
Fire / Explosion Hazards:	None Known.
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. Accidental Release Measures

Dispose of in a manner consistent with federal, state and local regulations.Ventilate area of Leak or Spill. Keep Unnecessary and Unprotected People away from the area of Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Contain and Recover Liquid when Possible. Use Non-Sparking Tools and Equipment. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth). 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, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

8. Exposure controls and personal protection

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

BOILING POINT	~100° C (212° F)
VAPOR PRESSURE	Information not available
MELTING POINT	~0° C (32° F)
VAPOR DENSITY	Information not available
EVAPORATION RATE	Information not available
Appearance /Odors	Clear,colorless, available
Flash Point	Information not available
Specific Gravity	Information not available
Percent Volatile by Evaporation Standard	>97
Auto Ignition Temp	Information not available
Lower Flamm. Limit in Air	Information not available
Upper Flamm. Limit in Air	Information not available
Solubility in Water	Soluble

10. Stability and reactivity

STABILITY	Stable
CONDITIONS TO AVOID	Heat
MATERIALS TO AVOID	information not available
HAZARDOUS DECOMPOSITION PRODUCTS	HCl fumes
HAZARDOUS POLYMERIZATION	Will Not Occur
Conditions to Avoid	None known

11. Toxicological information

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

12. Ecological information

Environmental Fate: No Information Found.

Environmental Toxicity: No Information Found.

13. Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

15. Regulatory information

CAS# 7784-13-6 is not listed on the TSCA inventory. It is for research and development use only.

16. Other information

Conditions aggravated/Target organs: Persons with preexistion skin, eye, or respiratory disorders are more susceptible. Acute: May cause irritation and pain to skin, eyes, lungs, and gastro- intestinal tract. Nausea, coughing. Chronic: Dermatitis.

Flammability

Health Reactivity

Revisions	NFPA
	0
8/2/2010	0.1 updated msds to 16 section from 10 section msds. STN

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