Material Safety Data Sheet

Silver Nitrate 10 % Solution (RXSOL-60-6281-100)

1. Product and Company Identifaction

Product Name	Silver Nitrate (AF Grade) 0.0282 Normal Solution
Product Type	RXSOL-60-6281-100

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
1,2-Propanediol(Propylene Glycol)	CAS# 57-55-6	~35%	V/V	
Silver Nitrate	CAS# 7761-88-8	~0.5%	W/V	OSHA PEL0.01
Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	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: Warning! Causes Severe Eye Irritation. Harmful If Swallowed Or Inhaled. Causes Irritation To Skin And Respiratory Tract. Affects Eyes, Skin And Respiratory Tract.

Inhalation: Effects are Expected to be Less Severe than for Exposure to Higher Concentrations where Symptoms Include Irritation to the Respiratory Tract with Coughing and Shortness of Breath.

Ingestion: Effects should be Less Severe than Through Exposure to Higher Concentrations of Silver Nitrate
which may Include Symptoms of Pain and Burning in Mouth, Blackening of the Skin and Mucous Membranes, Throat and Abdomen, Diarrhea and Shock. A Poison in Higher Concentrations.

Skin: Effects are Expected to be Less Severe than from Exposure to Higher Concentrations where Symptoms Include Irritation to the Skin with Redness, Itching and Pain. May Cause Bluish Discoloration of Skin.

Eye Contact: Corrosive! Effects should be Less Severe than from Exposure to Higher Concentrations where Symptoms Include Blurred Vision, Redness, Pain and Burns to Eye Tissue and Possible Permanent Eye Damage.

Chronic Exposure: Repeated Application, Inhalation, or Ingestion of Silver Nitrate can Cause Permanent Bluish Discoloration of the Skin, Conjunctiva and Mucous Membrane.

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

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:	If swallowed, induce vomiting immediately after giving two glasses of water. 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:	None
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. Contain and Recover Liquid when Possible. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth), and Place in a in a Chemical Waste Container. Do Not Use Combustible Materials,such as Saw Dust. Do Not Flush to Sewer! S 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	None required
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	information not available
VAPOR PRESSURE	not available
MELTING POINT	information not available
VAPOR DENSITY	not available
EVAPORATION RATE	information not available

Appearance /Odors	Colorless liquid, mildodor
Flash Point	Not applicable
Specific Gravity	information not available
Percent Volatile by Evaporation Standard	~60%
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	High temperatures, Light
MATERIALS TO AVOID	Halides, Ammonia, Phospahtes
HAZARDOUS DECOMPOSITION PRODUCTS	oxides of carbon, nitrogen
HAZARDOUS POLYMERIZATION	will not occur
Conditions to Avoid	None known

11. Toxicological information

NTP Carcinogen - Known: No, IARC Category- None

12. Ecological information

Environmental Fate: This material is not expected to significantly Bioaccumulate.

Environmental Toxicity: No Information Found..

13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. 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: Not Regulated

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

15. Regulatory information

Components listed on TSCA Inventory

16. Other information

Conditions aggravated/target organs: Persons with pre-existing skin,eye or respiratory disorders are more susceptible. Overexposure symptoms. Acute: Slight irritation to skin, eyes, mucous membranes, and GI tract. Stains skin. Effects of overexposure.Acute and chronic: Harmful by inhalation, ingestion, skin absorption. May cause eye and skin irritaition and central nervous system problems. May cause GI disturbances, nausea, headache and vomiting. Target organs: None. Persons with pre-existing Flammability

Health Reactivity

Revisions	NFPA
6/22/2010	0.1 updated msds to 16 section from 10 section msds. STN

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