

# 1. Product and Company Identification

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Product Name RXSOL-60-6292-100  
Product Type Calcium Titration Solution I

## 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</small>	<small>CAS# 507-10-1</small>	<small>9%</small>	W/V	TXDS: orl- mouse LD <sub>50</sub> : 408 mg/Kg
Water, Deionized ASTM Type II	CAS# 7732- 18-5	90%	V/V	None Established

# 3. Hazards Identification

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Causes severe irritation and burns. May be harmful if swallowed. May be harmful if absorbed through the skin. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

Emergency Overview/ Danger/ Caution: Causes burns to any area of contact. Harmful if swallowed or inhaled. Causes eye injury. May cause respiratory irritation.

Irritation/ Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.

Irritant/ High concentrations cause corrosion and death from secondary collapse. May convert to hydrochloric acid, producing cyanide. May also cause nausea, vomiting, L&L blood protein, metabolic, fatigue, tingling in the arms, shortness of breath.

Skin/ Irritant and possible contact.

Eye/ Contact/ Corrosive to the eye. May cause severe irritation and contact damage.

Chronic/ Exposure/ This substance is a blood toxin, causing hemoglobin to convert to methemoglobin, resulting in cyanosis. Prolonged or repeated exposure may result in decreased appetite, anemia, weight loss, nervous system effects, and kidney, liver and bone marrow damage.

Approved by Exposure/ Prolonged contact with the skin, eyes, clothes or hair may be an increased L&L. Over exposure.

# 4. First Aid Measures

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Causes severe irritation and burns. May be harmful if swallowed. May be harmful if absorbed through the skin. Avoid breathing vapor or dust. 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

EYES:

attention.

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:

Are there details for extinguishing accordingly fit

Fire Extinguisher Remarks:

None known

Fire Fighting Procedures:

Use self-contained breathing apparatus and protective clothing to prevent contact with fire and cooling

## 6. Accidental Release Measures

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Always spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with local, state and federal laws.

Variable Area of Leak or Spill: Remove all Sources of Ignition. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Before Release Area: Notify Competent and Supervised Personnel from monitoring. Use Water Spray to Dilute Spill as a First/Secondary Measure. 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 Chemical Waste Container. Use Water Spraying Techniques and Equipment Do Not Use Combustible Materials, such as Saw Dust, Dry Nit. Flush to Sewer. US Regulations: CERCLA: Report Reporting Spills and Releases to Spill, Water and Air in Excess of Reportable Quantities.

## 7. Handling and Storage

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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

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Respiratory Protection

None required

Ventilation

Local

OTHER

Mechanical

Gloves to prevent skin exposure on rubber or steel

Protective Gloves

Splash Goggles

EYE PROTECTION

Other Protective Equipment

Wear appropriate clothing to prevent skin exposure

## 9. Physical and chemical properties

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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	Colorless odorless liquid
Flash Point	Not flammable
Specific Gravity	-1
Pressure Viable by	90
Evaporation Standard	
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

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STABILITY	Stable
CONDITIONS TO AVOID	Avoid contact with incompatible materials.
MATERIALS TO AVOID	Strong oxidizing agents, acids, alkalis, Copper sulfate, ether, zinc
HAZARDOUS DECOMPOSITION PRODUCTS	Nitric oxide and ammonia fumes
HAZARDOUS POLYMERIZATION	Not expected to occur
Conditions to Avoid	None known

## 11. Toxicological information

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Cardiogenic Reference: NTP Carcinogen - Known To, IARC Category - None

## 12. Ecological information

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No Information Found

## 13. Disposal considerations

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Wherever allowed to land 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. Burn and land disposal regulations may differ from federal disposal regulations. Degree of container and vessel contents in accordance with federal, state and local regulations.

## 14. Transport information

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DOT Classification: Not Regulated

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

## 15. Regulatory information

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General Reactivity: Stable Under Ordinary Conditions of Use and Storage.

Hazardous Decomposition: Emits Toxic Fumes of Nitrogen Oxides and Hydrogen Chloride when Heated to Decomposition.

Incompatibilities: Strong Oxidizing Agents, Heat plus Sodium Acetate or Ether, Carbonyl Compounds, Copper Sulfate, Zinc and Phosphorus Chlorides.

## 16. Other information

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Inhalation may cause coughing, headache, difficulty in breathing, chest pain, lung irritation and pulmonary edema. May cause irritations or burns to eyes and skin. May be fatal if ingested. Conditions aggravated/target organs: Persons with pre-existing eye, skin and respiratory condition may be more susceptible

### Flammability

### Health

### Reactivity

### Revisions

7/30/2010

### NFPA

0.1 updated msds to 16 section from 10 section msds. STN

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