

1. Product and Company Identification

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Product Name RXSOL-62-5531-001
Product Type Hardness Titration Solution - I

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
Email mail@rxmarine.com

2. Composition / Information on ingredients

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SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<small>Hydrochloric Acid Solution 5M</small>	<small>CAS 7647-01-01</small>	0.1 -0.5%	W/V	None established
Water, Deionized ASTM Type II	<small>CAS 7732-18-9</small>	98.05%	V/V	None established

3. Hazards Identification

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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:Caution! May Cause Irritation to Skin and Eyes.

Inhalation:No Adverse Health Effects Expected from Inhalation.

Ingestion:Substance has Low Toxicity by Ingestion. Large Amounts May Cause Gastrointestinal Upset due to Osmotic Imbalance Caused by its ability to Sequester Metal Ions.

Skin:May Cause Irritation with Redness and Pain.

Eye Contact:May Cause Irritation, Redness and Pain.

Chronic Exposure:No Information Found.

4. First Aid Measures

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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.

FIRST AID: SKIN: 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 water. Vomiting may occur, but it is not necessary to induce.

5. Fire-fighting Measures

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Fire Extinguisher Type

Any means suitable for extinguishing

Fire / Explosion Hazard

None

Fire Fighting Procedures

Wear self-contained breathing apparatus and protective clothing to prevent contact with toxic and irritating

6. Accidental Release Measures

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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 (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

7. Handling and Storage

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None in a cool dry place. This Material is an oxidized flammable. Handle using safe laboratory practices.

8. Exposure controls and personal protection

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Respiratory Protection	None required
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Gloves to prevent exposure
EYE PROTECTION	Safety Glasses w/Side Shields
Other Protective Equipment	Use safe laboratory handling procedures.

9. Physical and chemical properties

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BOILING POINT	-49°C (22°F)
VAPOR PRESSURE	Information not available
MELTING POINT	-0°C (32° F)
VAPOR DENSITY	Information not available
EVAPORATION RATE	1
Appearance /Odors	Clear, colorless, odorless liquid
Flash Point	Not applicable
Specific Gravity	1.0
Pressure Viable to	200
Evaporation Standard	Water = 1
Auto Ignition Temp	Not applicable
Lower Flamm. Limit in Air	Not applicable
Upper Flamm. Limit in Air	Not applicable

Not applicable

Solubility in Water Soluble

10. Stability and reactivity

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STABILITY

CONDITIONS TO AVOID Avoid contact with incompatible materials.

Materials to Avoid

Concentrated Acids and Bases, Water reactive materials.

Hazardous Decomposition Products:

Carbon monoxide, nitrogen oxides, ammonia

Hazardous polymerization Will Not Occur

Conditions to Avoid None known

11. Toxicological information

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

12. Ecological information

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No Information Found.

13. Disposal considerations

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Whatever cannot be saved 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. 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: 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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Chemical Inventory Status

Part 1:Ingredient

EDTA Disodium Salt (139-33-3)

TSCA Yes

EC Yes

Japan YES

Australia Yes

Chemical Inventory Status

Part 2:Ingredient

EDTA Disodium Salt (139-33-3)

Korea Yes

DSL Yes

NDSL No

Phil. Yes

Federal, State & International Regulations ☒

Part 1: Ingredient.

EDTA Disodium Salt (139-33-3)

RQ NO

TPQ NO

List NO

Chemical Catg No

Federal, State & International Regulations ☒

Part 2:Ingredient

EDTA Disodium Salt (139-33-3)

CERCLA NO

261.33 No

8(d) No

Chemical Weapons Convention:No

TSCA 12 (b):No

CDTA:Yes Mixture/Liquid)

SARA 311/312: Acute: NO

Chronic: NO

Fire: No

Pressure: No

Reactivity: No

Australian Hazchem Code: None

Poison Schedule: None allocated

16. Other information

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Conditions aggravated/target organs: Persons with preexisting skin, eye and respiratory disorders may be more susceptible. Acute: Possible skin and eye irritation. Chronic: None known.

Health	Flammability	Reactivity
Revisions		NFPA
7/29/2010	0.1 updated msds to 16 section from 10	
	0	

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