Material Safety Data Sheet

Hardness Titration Solution - II (RXSOL-62-5532-001)

1. Product and Company Identifaction

Product Name	RXRXSOL-62-5532-001
Product Type	Hardness Titration Solution - II

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Phone	+91 22 65113333 / 5555 / 9999
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2. Composition / informationon ingredients

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
	Ethylenedinitrilotetra- acetic Acid,Disodium Salt	CAS# 6381-92-6	0.37%	W/V	None established
	Water, Deionized ASTM Type II	CAS# 7732-18-5	98.63%	V/V	None established

Emergency Overview:Caution! May Cause Irritation to Skin and Eyes.

Inhalation:No Adverse Health Effects Expected from Inhalation.

3. Hazards Identification

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

Emergency Overview:Poison! Danger! Corrosive. May be fatal if swallowed. Harmful if inhaled.
Causes burns to any area of contact. Reacts with water, acids and other materials.

Inhalation:Severe irritant. Effects from inhalation of mist vary from mild irritation to serious damage of the upper respiratory tract, depending on severity of exposure. Symptoms may include sneezing, sore throat or runny nose. Severe pneumonitis may occur

Ingestion:Corrosive! Symptoms may include severe burns of mouth, throat, and stomach. Severe Scarring of tissue and death may result. Symptoms may include bleeding, vomiting, diarrhea, fall in blood pressure. Damage may appear days after exposure.

Skin:Corrosive! Contact with skin can cause irritation or severe burns and scarring with greater exposures.

Eye Contact:Corrosive! Causes irritation of eyes, and with greater exposures it can cause burns that

Chronic Exposure:May result in permanent impairment of vision, even blindness.

Aggravated by Exposure:Prolonged contact with dilute solutions or dust has a destructive effect upon tissue.

Persons with pre-existing skin disorders or eye disease may be more susceptable to the Effects ot this substance.

4. First Aid Measures

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

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

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 (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

Ingestion:Substance has Low Toxicity by Ingestion. Large Amounts May Cause Store in a cool dry place. This Material is not Gastrointestinal Upset due considered hazardous. Handle using safe laboratory to Osmotic Imbalance Caused by its ability to Sequester Metal Ions. practices.

8. Exposure controls and personal protection

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

BOILING POINT	>95°C

VAPOR PRESSURE	Information not available
MELTING POINT	5°C
VAPOR DENSITY	Information not available
EVAPORATION RATE	Information not available
Appearance /Odors	Clear, colorless, odorless liquid
Flash Point	Not applicable
Specific Gravity	~1
Percent Volatile by Evaporation Standard	>99
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	None known
Materials to Avoid	None known
Hazardous Decomposition Products:	Carbon monoxide, nitrogen oxides, ammonia
Hazardous polymerization	Will Not Occur
Conditions to Avoid	None known

11. Toxicological information

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

12. Ecological information

No Information Found.

13. Disposal considerations

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.

Skin:May Cause Irritation with Redness and Pain.

Eye Contact:May Cause Irritation, Redness and Pain.

Chronic Exposure:No Information Found.

14. Transport information

DOT Classification: Aggravated by Exposure:No Information Found.Not Regulated

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

15. Regulatory information

Chemical Inventory Status –
Part 1:Ingrdient
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:NO Mixture/Liquid)
SARA 311/312: Acute: Yes
Chronic: NO
Fire: No
Pressure: No
Reactivity: No
Australian Hazchem Code: None
Poison Schedule: None allocated

16. Other information

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.

Flammability

Health Reactivity

Revisions NFPA

7/30/2010	0.1 updated msds to 16 section from 10 section msds. STN
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