Material Safety Data Sheet

Hardness Titrating Solution (AF Grade) (RXSOL-60-6233-100)

1. Product and Company Identifaction

Product Name	Hardness Titrating Solution (AF Grade)
Product Type	RXSOL-60-6233-100

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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Email	mail@rxmarine.com

2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
1,2-Propanediol(Propylene Glycol)	CAS# 57-55-6	36.30	V/V	OSHA PEL (C)5 ppm, (C) 7 mg/m*f*
Ethylenedinitrilotetra-acetic Acid,Disodium Salt	CAS# 6381-92-6	0.037	W/V	None Established
Water, Deionized ASTMType II	CAS# 7732-18-5	63.663	W/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: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, Redness and Pain.

Eye Contact:May Cause Irritation, Redness and Pain.Chronic Exposure:No Information Found.

Aggravated by Exposure:No Information Found.

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 If swallowed give large quantities of water and get medical attention immediately.

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

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	Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

BOILING POINT	370.4° F(188°C)
VAPOR PRESSURE	not available
MELTING POINT	information not available
VAPOR DENSITY	not available
EVAPORATION RATE	information not available
Appearance /Odors	Colorless liquid, mild odor
Flash Point	Not applicable
Specific Gravity	information not available
Percent Volatile by	not available

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

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

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..

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

Chemical Inventory Status –
Part 1:Ingrdient
EDTA Disodium Salt (139-33-3)
Propylene Glycol (57-55-6)
TSCA Yes Yes
EC Yes Yes
Japan YES Yes

Australia Yes Yes

Chemical Inventory Status –
Part 2:Ingredient
EDTA Disodium Salt (139-33-3)
Propylene Glycol (57-55-6)
Korea Yes Yes
DSL Yes Yes
NDSL No No
Phil. Yes Yes

Federal, State & International Regulations –
Part 1: Ingredient.
EDTA Disodium Salt (139-33-3)
Propylene Glycol (57-55-6)
RQ NO No
TPQ NO NO
List NO No
Chemical Catg No No

Federal, State &
International Regulations –
Part 2:Ingredient
EDTA Disodium Salt (139-33-3)
Propylene Glycol (57-55-6)
CERCLA NO No
261.33 No No
8(d) No No

Chemical Weapons Convention:No
TSCA 12 (b):No
CDTA:Yes 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 pre-existing skin,eye or respiratory disorders are more susceptible. Overexposuresymptoms. Acute: Slight irritation to skin, eyes, mucous membranes, and GI tract. 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 disorders may be

Flammability

Health Reactivity

Revisions	NFPA
7/29/2010	0.1 updated msds to 16 section from 10 section msds. STN
12/18/2012	0.2 updated amounts to w/w per requirement. STN

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