Material Safety Data Sheet

Iron Buffer Solution (RXSOL-60-6272-500)

1. Product and Company Identifaction

Product Name	Iron Buffer Solution
Product Type	RXSOL-60-6272-500

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
Sodium Acetate	CAS# 6131-90-4	45 - 55%	w/V	None Established
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: Caution! May Cause Irritation To Skin, Eyes, And Respiratory Tract.

Inhalation: Irritates the Respiratory Tract. May Produce Sore Throat, Coughing and Labored Breathing.

Ingestion: Large Doses may Produce Abdominal Pain, Nausea, and Vomiting.

Skin: May Cause Irritation with Redness and Pain.

Eye Contact: May Cause Irritation, Redness, Pain, or Blurred Vision

Chronic Exposure: No Information Found.

Aggravated by Exposure: Persons with Pre-Existing Skin Disorders or Impaired Respiratory Function may be More Susceptible to the Effects of the 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 artificialIron 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:

Fire / Explosion Hazards:	May pose a fire hazard when exposed to elevated temperature ro contact with ignition source.
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. Accidental Release Measures

Remove all sources of ignition. Absorb spill with inert material, then place in a chemical waste container.Dispose of in a manner consistent with federal, local law.

Ventilate area or Leak or Spill. Remove all Sources of Ignition.Wear Appropriate Personal Protective Equipment as Specified in Section 8.

Isolate Hazard Area. Keep Unnecessary and Unprotected Personnel from Entering. Contain and Recover Liquid when Possible. Absorb with an Inert Material (e.g. 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. Keep out of direct sunlight and away from heat, water and incompatible materials. Do not reuse

8. Exposure controls and personal protection

Respiratory Protection	None required
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Wear appropriate gloves to prevent skin exposure
EYE PROTECTION	Splash Goggles
Other Protective Equipment	Use safe laboratory handling procedures.

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	Clear liquid,odorless

Flash Point	Not applicable
Specific Gravity	~1.2
Percent Volatile by Evaporation Standard	~50
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	Oxides of carbon and sodium
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

Environmental Fate: No Information Found.

Environmental Toxicity: Freshwater Fish Species Data: 24 Hr LC50 Lepomis macrochirus: 5000 mg/L Microtox Data: 18 Hr EC50 Pseudomonas Putida: 7200 mg/L Water Flea Data: 48 Hr ED50 water flea: 5800 mg/L.

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. States and local disposal regulations may differ from 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
Sodium Acetate (127-09-03)
TSCA Yes
EC Yes
Japan YES
Australia Yes

Chemical Inventory Status –
Part 2:Ingredient

Korea Yes
DSL Yes
NDSL No
Phil. Yes

Federal, State & International Regulations –
Part 1: Ingredient.
Sodium Acetate (127-09-03)
RQ No
TPQ No
List No

Chemical Catg No
Federal, State &
International Regulations –
Part 2:Ingredient
Sodium Acetate (127-09-03)
CERCLA No
261.33 No
8(d) No

Chemical Weapons Convention: No
TSCA 12 (b):No
CDTA:No PURE/SOLID
SARA 311/312: Acute: Yes
Chronic: No
Iron Buffer Solution
odor
Fire: No
Pressure: No
Reactivity: No

Australian Hazchem Code: None allocated
Poison Schedule: None allocated

16. Other information

Conditions aggravated/target organs: Persons with preexisting skin,eye or respiratory disorders may be more susceptible. Acute: Skin,eye, respiratory and GI tract irritation, abdominal pain and vomiting. Chronic: Effects similar to those of acute exposure. Any means suitable for extinguishing
surrounding fire

Flammability

Health Reactivity

Revisions	NFPA
8/2/2010	0.1 updated msds to 16 section from 10 section msds. STN
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