Material Safety Data Sheet

Methyl Red Indicator Solution (RXSOL-60-6246-100)

1. Product and Company Identifaction

Product Name	Methyl Red Indicator Solution
Product Type	RXSOL-60-6246-100

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 / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Methyl Red Sodium Salt	CAS# 845-10-3	0.01 -0.1%	W/V	None Established
Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

3. Hazards Identification

Causes severe irritation and burns. May Be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Emergency Overview:Danger! Corrosive. Liquid And Mist Cause Severe Burns To All Body Tissue. May Be Fatal If Swallowed Or Inhaled.

Inhalation:Corrosive! Inhalation of Vapors can cause Coughing, Choking, Inflammation, of the Nose,Throat, and Upper Respiratory Tract, and in Severe Cases, Pulmonary Edema, Circulatory Failure, and Death.

Ingestion:Corrosive! Swallowing Hydrochloric Acid can cause Immediate Pain and Burns of the Mouth,Throat, Esophagus, and Gastrointestinal Tract. May cause Nausea, Vomiting, and Diarrhea, and in Severe Cases, Death.

Skin:Corrosive! Can cause Redness, Pain, and Severe Skin Burns. Concentrated Solutions Cause Deep Ulcers and Discolor of Skin.

Eye Contact:Corrosive! Vapors are Irritating and May cause Damage to Eyes. Contact May cause Sever Burns and Permanent Eye Damage.Chronic Exposure:Long-Term Exposure to Concentrated Vapors May cause Erosion of Teeth. Long-Term Exposures Seldom Occur due to the Corrosive Properties of the Acid.

Aggravated by Exposure:Persons with Pre-Existing skin Disorders or Eye Disease May be more Susceptable to the Effects ot this 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: 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 large amounts are swallowed give water to drink and seek medical aid.

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. Flush excess down drain.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 (e.g., Vermiculite, Dry Sand, Earth),
and Place in a Chemical Waste Container. Do Not Use Combustible Materials, such
as Saw Dust.

7. Handling and Storage

Store in a cool dry place. This Material is not considered hazardous. Handle using safe laboratory practices..

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	~100°C
VAPOR PRESSURE	not available
MELTING POINT	~0°C
VAPOR DENSITY	not available
EVAPORATION RATE	1
Appearance /Odors	Clear pink-red odorless liquid
Flash Point	Not applicable

Specific Gravity	~1.0
Percent Volatile by	>99
Evaporation Standard	1
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	Temperature extremes
MATERIALS TO AVOID	Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS	possible oxides of carbon
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: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
Methyl Red Sodium Salt (845-10-3)
TSCA Yes
EC Yes
Japan YES
Australia Yes

Chemical Inventory Status –
Part 2:Ingredient
Methyl Red Sodium Salt (845-10-3)
Korea YES
DSL Yes
NDSL No
Phil. Yes

Federal, State & International Regulations –
Part 1: Ingredient.
Methyl Red Sodium Salt (845-10-3)
RQ No
TPQ No
List NO
Chemical Catg No

Federal, State &
International Regulations –
Part 2:Ingredient
Methyl Red Sodium Salt (845-10-3)
CERCLA NO
261.33 No
8(d) No
Chemical Weapons Convention: No
TSCA 12 (b):No
CDTA:No MIXTURE/LIQUID
SARA 311/312: Acute:NO
Chronic: No
Fire: NoPressure: No
Reactivity: No

Australian Hazchem Code: NONE ALLOCATED
Poison Schedule:NONE ALLOCATED

16. Other information

Conditions aggravated/Target organs: None known. Acute: slight irritation possible to skin, eyes, lungs, mucous membranes and GI tract. 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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