

1. Product and Company Identification

www.rxmarine.com

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

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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

3. Hazards Identification

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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 Severe 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 Susceptible to the Effects of this Substance.

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.

SKIN: Wash exposed area with soap and water. If irritation persists, seek

EYES:

medical attention.

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

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Fire Extinguisher Type:

Any means suitable for extinguishing surrounding fire

Fire / Explosion Hazards:

None

Fire Fighting Precautions:

Wear self-contained breathing apparatus and protective clothing to protect skin and clothing.

6. Accidental Release Measures

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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

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Store in a cool dry place. This Material is not considered hazardous. 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 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

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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

No applicable

Lower Phases: Limit to Air

No applicable

Upper Phases: Limit to Air

No applicable

Solubility in Water

Soluble

10. Stability and reactivity

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STABILITY

CONDITIONS TO AVOID

Temperature extremes

MATERIALS TO AVOID

Strong oxidizers.

HAZARDOUS DECOMPOSITION

possible oxides of carbon

PRODUCTS

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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Environmental Fate:No Information Found Environmental Toxicity: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

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

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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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