

1. Product and Company Identification

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Product Name Ferric Sulfate Solution 50
Part Number RXSOL-33-3330-300

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / Information on ingredients

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Name of Substance	% (w/w)	OSHA	ACGIH (TLV)
Sulfuric Acid	< 0.5	1 mg/m ³ (TWA)	0.2mg/m ³ thoracic fraction (TWA)
Ferric Sulfate	60 ± 5 (43 ± 5 as)	1mg/m ³ Fe (TWA)	0.1 mg/m ³ as persulfate (TWA)

3. Hazards Identification

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APPEARANCE AND Color: Red-Brown
ODOR Appearance: liquid
Odor: acidic

STATEMENTS OF HAZARD WARNING! IRRITATING TO EYES, SKIN, RESPIRATORY AND DIGESTIVE TRACTS

POTENTIAL HEALTH Direct contact with this material may cause moderate to severe eye and moderate skin irritation. The a
EFFECTS EFFECTS OF LD50 is estimated to be >400 mg/kg.

EXPOSURE

Other Important Hazards Refer to TOXICOLOGICAL INFORMATION (Section 11) for additional information.

4. First Aid Measures

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Ingestion Never give anything by mouth to an unconscious person. Induce vomiting. Administer 250 300 ml water to dilute and induce vomiting.

Skin Contact In case of skin contact, wash affected areas of skin with plenty of water and soap. Seek medical attention from a physician.

Inhalation If breathing has stopped, trained personnel should administer CPR. If breathing is not stopped, trained personnel should administer CP oxygen. Obtain medical advice if there are persistent symptoms.

5. Fire-fighting Measures

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Suitable Extinguishing Media The substance is not combustible. Use extinguishing media appropriate to the surrounding fire.

Protective Equipment		Wear full firefighting protective clothing. See MSDS Section 8 (Exposure Controls/Personal Protection). Firefighters exposed, wear self-contained breathing apparatus.
Special Hazards		Sulfur oxides and/or toxic and flammable hydrogen sulfide may be formed under fire conditions. Keep unnecessary people away.
Mechanical/Static Statements	Sensitivity	None
NOTE		Also see Section 10 Stability and Reactivity

6. Accidental Release Measures

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Personal precautions	Restrict access until clean-up operations are complete. Wear appropriate Personal Protective Equipment per Section 8. Ensure trained personnel conduct clean up and wear Personal Protective Equipment per Section 8. Stop leak if you can do so safely. Avoid personal risk.
Methods for Cleaning Up	Small Spills – Absorb spill with clay or dry material or neutralize with lime, limestone or soda ash and collect in appropriate container for disposal. Neutralization with soda ash can generate carbon dioxide so additional ventilation may be necessary. Large Spills – Prevent entry into sewers and confined areas. Dike, if possible. Keep people away, isolate non-reactive dry materials and collect in appropriate container for disposal. Neutralize with lime, limestone, or soda ash and collect in suitable container for disposal. Flush area with water. * Notify Authorities if releasable quantity per Section 15.

7. Handling and Storage

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HANDLING Precautionary Measures	HANDLING Precautionary Measures
Special Handling Statements	Review the label, this information is applicable information before use. Handle only with equipment specified by their manufacturer and appropriate for use with this material.
STORAGE	material from coming in contact with common materials. Avoid skin and eye contact. Wear appropriate PPE. Store away from incompatible materials. Containers (drums and totes) tightly closed when not in use. Storage facilities should be used within one year. Storage facilities should be in accordance with applicable law or regulation. Storage tanks, piping and equipment should have appropriate signage to avoid accidents. Containers should be empty since they retain product residues. Refer to the label for precautions listed for the product.

8. Exposure controls and personal protection

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Engineering Measures	A ventilation system of local/general exhaust is recommended to maintain Airborne Exposure Limits. Ensure that eyewash stations are readily accessible from workstation location.
Respiratory Protection	Where exposures are below the established exposure limit, no respiratory protection is required. Where exposures exceed the established exposure limit, appropriate respiratory material and level of exposure.
Eye Protection	Provide eye wash fountain and safety shower in close proximity to the work area. Eye/face protection such as chemical splash proof goggles.

Skin Protection

Additional Advice



Gloves Suit

Prevent contamination of skin or clothing when re
gloves and suitable protective clothing.

Before eating, drinking, or smoking wash face an
beverages, and tobacco products should not be carr
use.

9. Physical and chemical properties

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Appearance

Liquid

Colour

Red-brown

Odour

Acidic

pH