

MSDS

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

305816

Catalog Number: 3055, 3058, 3070, F-117, F-118, F-129, F036520, F036580, FX-905, R3054000, R3056000, R3057900, R3057940, SF036520, SF036580	
Product Identity: FERRIC AMMONIUM SULFATE Aqueous Solutions	
Manufacturer's Name: RICCA CHEMICAL COMPANY LLC	Emergency Contact(24 hr) -- CHEMTREC® Domestic: 800-424-9300 International: 703-527-3887
CAGE Code: 4TCW6, 0V553, 4XZQ2	
Address: 448 West Fork Dr Arlington, TX 76012	Telephone Number For Information: 817-461-5601
Date Prepared: 6/21/99	Revision: 9 Last Revised: 06/04/2008 Date Printed: 08/10/2011 8:49:44 am

Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Water, Deionized	7732-18-5	Balance	Not Available	Not Available
			Not Available	Not Available
Ferric Ammonium Sulfate Dodecahydrate	7783-83-7	<50	Not Available	Not Available
			1 mg/m3	Not Available

Section 3: Hazard Identification

Emergency Overview: Non-flammable, non-toxic, non-corrosive. Does not present any significant health hazards. Wash areas of contact with water.

Target Organs: eyes, skin

Eye Contact: May cause slight irritation.

Inhalation: May cause mild irritation of the respiratory tract.

Skin Contact: May cause slight irritation.

Ingestion: Large doses may irritation to the gastrointestinal tract. Low toxicity in small quantities but larger doses may cause vomiting, diarrhea and black stool.

Pink urine discoloration is a strong indicator of iron poisoning.

Chronic Effects/Carcinogenicity: Repeated ingestion of large doses may cause liver damage.

IARC - No.

NTP - No.

OSHA - No.

Reproductive Information: Not Applicable.

Teratology (Birth Defect) Information: Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Ferric Ammonium Sulfate Dodecahydrate. Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Ferric Ammonium Sulfate Dodecahydrate.

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Section 4: First Aid Measures - In all cases, seek qualified evaluation.

Eye Contact: Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Skin Contact: Wash areas of contact with soap and water for at least 15 minutes. Call a physician if irritation develops.

Ingestion: Dilute with water or milk. Call a physician if necessary.

Section 5: Fire Fighting Measures

Flash Point: Not Available.

LFL: Not Available.

Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.

Fire Fighting Instructions: Use normal procedures/instructions.

Fire Fighting Equipment: Use protective clothing and breathing equipment appropriate for the surrounding fire.

Method Used: Not Available.

UFL: Not Available.

Section 6: Accidental Release Measures

Absorb with suitable material and dispose of in accordance with local regulations. Check local regulations for the proper disposal of iron containing products.

Section 7. Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

Safety Storage Code: General

Section 8: Exposure Control/Personal Protection

Engineering Controls: No specific controls are needed. Normal room ventilation is adequate.

Respiratory Protection: Normal room ventilation is adequate.

Skin Protection: Chemical resistant gloves.

Eye Protection: Safety glasses or goggles.

Section 9: Physical and Chemical Properties

Appearance: Clear, amber colored liquid

Odor: Odorless

Solubility in Water: Infinite

Specific Gravity: Approximately 1.0-1.2

pH: Not Available.

Boiling Point(°C): Not Available.

Melting Point(°C): Not Available.

Vapor Pressure: Not Applicable.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Incompatibility: None identified

Hazardous Decomposition Products: May emit toxic fumes of Ammonia and Sulfur Oxide when heated to decomposition.

Hazardous Polymerization: Will not occur.

Section 11. Toxicological Information

No LD50 information found in 'Registry of Toxic Effects of Chemical Substances'.

Section 12. Ecological Information

Ecotoxicological Information: No information found.

Chemical Fate Information: No information found.

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Section 13. Disposal Considerations

Check local regulations for the proper disposal of iron containing solutions. Dilute with water and flush to the sewer if local regulations allow. If not allowed, containerize for proper disposal at an approved waste disposal facility. Always dispose of in accordance with local, state and federal regulations.

Section 14. Transport Information

Part Numbers:

This product is not regulated.

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA Status: These items meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

TSCA Status: All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.

Sara Title III:

Section 302 Extremely Hazardous Substances: Not Applicable.

Section 311/312 Hazardous Categories: No

Section 313 Toxic Chemicals: Not Applicable.

California: None Reported.

Pennsylvania: Ferric Ammonium Sulfate Dodecahydrate is listed as an Environmental Hazard on the state's Hazardous Substances List. Ferric Ammonium Sulfate Dodecahydrate is listed as an Environmental Hazard on the state's Hazardous Substances List.

RCRA Status: Not Applicable.

CERCLA Reportable Quantity: Ferric Ammonium Sulfate Dodecahydrate - 1000 pounds. Ferric Ammonium Sulfate Dodecahydrate - 1000 pounds.

WHMIS: Not Applicable.

Section 16. Other Information

NFPA Ratings:

Health: 1 Flammability: 0 Reactivity: 0 Special Notice Key: None

HMIS Ratings:

Health: 1 Flammability: 0 Reactivity: 0 Protective Equipment: B (Protective Eyewear, Gloves)

Rev 1, 9-21-2000: Reformatted from WordPerfect® to Microsoft Word®; (Section 1) Revised emergency telephone number to CHEMTREC® 800-424-9300; (Section 6) added iron containing statement; (Section 11) added toxicological data; (Section 13) added iron containing statement; (Section 15) added CERCLA RQ data, added TSCA hydrate statement.

Rev 2, 10-09-2001: Reformatted to electronic data format.

Rev 3, 11-15-2002: (Section 1) added Solutions Plus catalog numbers F036520 and F036580.

Rev 4, 02-13-2006: (Section 1) added Red Bird catalog number F- 118.

Rev 5, 03-14-2006: (Section 1) added Red Bird catalog number FX-905.

Rev 6, 08-24-2006: (Section 1) added Red Bird catalog number F- 117.

Rev 7, 12-13-2006: (Section 1) added catalog number R3056000.

Rev 8, 02-20-2007: (Section 1) added catalog numbers R3054000 and R3057900.

Rev 9, 06-04-2008: (Section 1) added catalog number R3057940.



MSDS

For RICCA, SpectroPure, Red Bird, and Solutions Plus Brands

Emergency Contact(24 hr) -- CHEMTREC®

Domestic: 800-424-9300

International: 703-527-3887

FERRIC AMMONIUM SULFATE Aqueous Solutions

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.