

MATERIAL SAFETY DATA SHEET

Ferric Ammonium Sulfate

SECTION 1 . Product and Company Identification

Product Name and Synonym: Ferric Ammonium Sulfate
Product Code: F2510
Material Uses:
Manufacturer: Science Stuff
1104 Newport Ave
Austin, TX 78753
(512) 837-6020
Entry Date : 6/4/2013
Print Date: 6/4/2013
24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	1			
Flammability:	0			
Reactivity:	0			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA=Not Applicable		NE=Not Established		

SECTION 2 HAZARD IDENTIFICATION

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. Keep container closed.

Physical State and Appearance: Solid. (Crystals solid)

Emergency Overview

CAUTION!

MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

Routes of Entry

Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes: May be hazardous in case of eye contact (irritant).

Skin: May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation: May be hazardous in case of inhalation (lung irritant).

Ingestion: No known acute effects of this product resulting from ingestion.

Potential Chronic Health Effects

Carcinogenic Effects: This material is not known to cause cancer in animals or humans

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Ferric Ammonium Sulfate	CAS# 7783-83-7	100%	W/W	None established

SECTION 4 FIRST AID MEASURES

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. Keep container closed.

Ferric Ammonium Sulfate

FIRST AID: 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

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire / Explosion Hazards: Negligible fire hazard when exposed to heat or flame

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Wear Protective equipment. Sweep up, place in a bag and hold for waste disposal.

Small Spill and Leak: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill and Leak: Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Spill Kit Information: No specific spill kit required for this product.

SECTION 7 HANDLING AND STORAGE

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Dust/mist respirator

Ventilation

Local Exhaust

Mechanical

Protective Gloves: NIOSH Approved Gloves

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limits.

Personal Protection

Eyes: Splash goggles.

Body: Lab coat.

Respiratory: Dust respirator. Be sure to use an approved/certified respirator

Ferric Ammonium Sulfate

or equivalent.
Hands:Gloves.
Feet: Not applicable.

Personal Protection in Case of a Large Spill: Splas goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Ferric Ammonium Sulfate, Dodecahydrate

Belgium Minister of Labour (Belgium,1998)

VL: 1 mg/m³ 8 hour(s)

SUVA (Switzerland, 1997)

MAK: 1 mg/m³ 8 hour(s)

DK-Arbejdstylsinet (Denmark, 1996)

GV: 1 mg/m³ 8 hour(s)

National Authority for Occupational Safety/Health (Ireland, 1999)

STEL: 2 mg/m³ 15 minute(s)

OEL: 1 mg/m³ 8 hour(s)

Arbeidsinspectie (Netherlands, 1999)

TGG 8 uur: 1 mg/m³ 8 hour(s)

EH\$)-OES (United Kingdom (UK), 1997)

STEL: 2 mg/m³ 15 minute(s)

TWA: 1 mg/m³ 8 hour(s)

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	N/A	Percent Volatile by Volume:	N/A
Boiling Point:	230° C	Evaporation Rate	N/A
Vapor Pressure:	N/A	Evaporation Standard	
Vapor Density:	N/A	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Pale violet transparent crystals	Upper Flamm. Limit in Air	Not applicable
Flash Point:	N/A		
Specific Gravity:	1.71		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	Avoid contact with incompatible materials.
Materials to Avoid:	Acidic conditions, heat, moisture
Hazardous Decomposition Products:	Sulfur oxides
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

SECTION 11 Toxicological Information

Ferric Ammonium Sulfate

Chronic Effects on Humans: May be hazardous in case of eye contact (irritant). May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. May be hazardous in case of inhalation (lung irritant).

Synergetic Products: Not available.

Irritancy: Draize Test: Not available

Sensitization: Not available

Carcinogenic Effects: This material is not known to cause cancer in animals or humans.

Toxicity to Reproductive System: Not available

Teratogenic Effects: Not available.

Mutagenic Effects: Tests on laboratory animals for mutagenic effects are cited in Registry of Toxic Effects of Chemical Substances (RTECS).

SECTION 12 Ecological Information

Ecotoxicity: Not available
BOD5 and COD: Not available

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic

SECTION 13 Disposal Considerations

EPA Waste Number: Not available

Treatment: Material does not have an EPA Waste Number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should be accomplished. Always contact a permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal Regulation.

SECTION 14 Transport Information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

U.S. Federal Regulations

TSCA 8(b) inventory: Ferric Ammonium Sulfate, Dodehydrate
SARA 302/304/311/312 extremely hazardous substance: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Ferric Ammonium Sulfate, Dodehydrate
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Ferric Ammonium Sulfate, Dodehydrate: Immediate (Acute) Health Hazard
SARA 313 toxic chemical notification and release reporting : No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean air act (CAA) 112 accidental release prevention: No products were found.
Clean air act (CAA) 112 regulated flammable substance: No products were found.
Clean air act (CAA) 112 regulated toxic substance: No products were found.

WHMIS (Canada): Not controlled under WHMIS (Canada)
No products were found.

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.

SECTION 16 Additional Information

Ferric Ammonium Sulfate

Flammability

Health

Reactivity

Revisions

NFPA

0.1

The information herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of the information whether originating from the above mentioned company or not. Users of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely.