

Material Safety Data Sheet

Provided by:

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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name FERRIC SULFATE
Synonyms DIIRON TRISULFATE, IRON (III) SULFATE
Chemical Name FERRIC SULFATE
Emergency phone: 281-457-4888 **Date of Issue:** 10/1/00
Chemtrec: 800-424-9300 **Revised Date:** N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	PERCENT	CAS NO.
SULFURIC ACID	2.7	7664-93-9
FERRIC SULFATE	70% - 80%	10028-22-5

SECTION 3 - HAZARDS IDENTIFICATION

Potential Health Effects

ACGIH - TLV: 1 mg/cu m
Eye Contact DUSTS ARE CORROSIVE TO EYES. BRIEF CONTACT CAUSES SEVERE DAMAGE & PROLONGED CONTACT CAUSES PERMANENT T INJURY WHICH MAY BE FOLLOWED BY BLINDNESS.
Skin Contact MAY CAUSE SKIN IRRITATION.
Ingestion MAY CAUSE DIGESTIVE TRACT IRRITATION.
Inhalation DUSTS ARE CORROSIVE TO ENTIRE RESPIRATORY TRACT. BREATHING DUST CAN DESTROY MUCOUS MEMBRANES & CAN CAUSE SEVERE PNEUMONITIS.
Carcinogenicity: *NTP* NO *IARC* YES *OSHA* NO

SECTION 4 - FIRST AID PROCEDURES

Eye Contact: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
Skin Contact: IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES, WIPE EXCESS FROM SKIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE OR FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION.
Inhalation: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.
Ingestion: DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER OR MILK AND GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON!

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point	NONFLAMMABLE
Extinguishing Media	USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Special Firefighting Procedures/Precuations	WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. STAY UPWIND AND KEEP OUT OF LOW AREAS.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

For Spill:	SWEEP UP WITH A MINIMUM OF DUSTING AND PLACE IN CONTAINERS FOR DISPOSAL.
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SECTION 7 - HANDLING AND STORAGE

Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area, away from heat and incompatible materials. Protect containers from physical damage.

KEEP BAGS/FIBER DRUMS DRY AT ALL TIMES. STORE AWAY FROM INCOMPATIBLE MATERIALS. CAN BE CORROSIVE TO SKIN AND EYES SO SHOWERS AND EYE WASH FOUNTAINS SHOULD BE IN THE AREA OF STORAGE.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection	USE A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS.
Ventilation	LOCAL AND MECHANICAL RECOMMENDED.
Protective Gloves	CHEMICAL IMPERVIOUS GLOVES.
Eye/Face Protection	CHEMICAL SAFETY GOGGLES AND/OR FULL-FACE SHIELD.
Other Protection	CHEMICAL RESISTANT CLOTHING SUCH AS COVERALLS/APRON, BOOTS, ETC.
Work Practices	USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F):	NOT APPLICABLE	Vapor Pressure (mmHg):	NOT APPLICABLE
Freezing Point (°F):	NOT APPLICABLE	Vapor Density (Air=1):	NOT APPLICABLE
Solubility (H₂O):	55% BY WEIGHT	Specific Gravity (H₂O=1):	2.1
pH	1 - 5 (SOLN)	Evaporation Rate:	NOT APPLICABLE
Appearance/Odor:	GREY TO BROWN POWDER TO GRANULE WITH NO APPRECIABLE ODOR.		

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	YES
Incompatible Materials	KEEP WATER & MOIST AIR OUT OF THE CONTAINER, SOLUTION IS CORROSIVE. MINERAL ACIDS.
Decomposition Products	THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF IRON AND SULFUR.
Hazardous Polymerization:	WILL NOT OCCUR.

SECTION 11 - TOXICITY INFORMATION

LC50 INHALATION (rat) => 140 mg/L LD50 DERMAL (rabbit) => 2 g/kg LD50 ORAL (rat) = 1 - 3 g/kg

SECTION 12 - ECOLOGICAL INFORMATION

NO DATA AVAILABLE.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSE OF WASTE MATERIALS ACCORDING TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 14 - TRANSPORT INFORMATION

USA DOT Shipping Name: NOT REGULATED.

Hazard Class:

UN/NA Number:

Packing Group:

Subsidiary Hazard

Marine Pollutant: NO

SECTION 15 - REGULATORY INFORMATION

CERCLA RQ (lbs): 1000

SARA Title III Section 312:

Acute **Chronic** **Flammable** **Sudden Release of Pressure** **Reactive**

SARA Title III Section 313: No

SARA Extremely Hazardous Substance: No

HMIS HAZARD RATING

Health: 2 **Fire:** 0 **Reactivity:** 0

0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

SECTION 16 - OTHER INFORMATION

EPA Pesticide Registration Number: NOT APPLICABLE

NSF Maximum Use Level for Potable Water (Standard 60): NOT APPLICABLE

TSCA (Toxic Substance Control Act), 40 CFR 710:

Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Section 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA.

DISCLAIMER

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