

Section 1: Identification

Product Name Ferric Sulfate Hydrate Reagent
Commercial Name Not available.
Product Use Not available.
Restrictions On Use Not available.
Product Code 30-2267
Company PCCA
 9901 South Wilcrest
 Houston, TX 77099
 Phone: 1-800-331-2498
 Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Acute toxicity, category 4, oral Serious eye damage, category 1 Specific target organ toxicity (single exposure), category 3, vascular
CFR 1910.1200

Signal Word DANGER

Hazard Statement(s) Harmful if swallowed. Causes serious eye damage. May cause respiratory irritation.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P310 IF exposed or concerned: Immediately call a POISON CENTER/doctor.
Storage Not available.
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Ferric sulfate
% By Weight 100
CAS# 15244-10-7
Molecular Weight 399.98 g/mole
Chemical Formula Fe₂(SO₄)₃.xH₂O
Synonym(s) Iron (III) sulphate hydrate

Mixtures Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Ferric sulfate	10028-22-5	100	TWA: 1 CEIL: 2 (mg/m ³)	Not available.

Section 4: First-Aid Measures

Inhalation	Immediately call a POISON CENTER/doctor. Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.
Skin Contact	After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a physician.
Eye Contact	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Rinse mouth thoroughly with water. Give nothing to eat or drink.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.
Immediate Medical Attention	
First aider: Pay attention to self-protection!	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Sulphur oxides

Firefighters Special Equipment and Precautions

DO NOT fight fire when fire reaches explosives. Protective equipment and precautions for firefighters Wear a self-contained breathing apparatus and chemical protective clothing. Additional information: Do not allow run-off from fire-fighting to enter drains or water courses. Do not inhale explosion and combustion gases. Use water spray/stream to protect personnel and to cool endangered containers. In case of fire: Evacuate area.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid dust formation. Environmental precautions: Do not allow to enter into surface water or drains. Methods and material for containment and cleaning up: Spilled product must never be returned to the original container for recycling. Clean contaminated articles and floor according to the environmental legislation. Collect in closed and suitable containers for disposal. Additional information: Clear spills immediately.

Section 7: Handling and Storage

Precautions for safe handling: Avoid: Inhalation Avoid contact with eyes and skin. Use extractor hood (laboratory). If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means. Protect from moisture. Conditions for safe storage, including any incompatibilities: Recommended storage temperature: Ambient temperature Keep container tightly closed and in a well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Technical measures and the application of suitable work processes have priority over personal protection equipment. If handled uncovered, arrangements with local exhaust ventilation have to be used.

Personal Protection

Wear suitable protective clothing. When handling with chemical substances, protective clothing must be worn. Eye/face protection: Eye glasses with side protection Skin protection: Wear suitable gloves. When handling with chemical substances, protective gloves must be worn. In the case of wanting to use the gloves again, clean them before taking off and air them well. Check leak tightness/impermeability prior to use. By short-term hand contact Suitable material: NBR (Nitrile rubber) Thickness of the glove material: 0,12 mm Breakthrough time (maximum wearing time): > 480 min By long-term hand contact Suitable material: NBR (Nitrile rubber) Thickness of the glove material: 0,38 mm Breakthrough time (maximum wearing time): > 480 min Respiratory protection: Respiratory protection necessary at: aerosol or mist formation If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn. Additional information: Wash hands before breaks and after work. Avoid contact with eyes and skin. When using do not eat, drink or smoke. Provide eye shower and label its location conspicuously. Environmental exposure controls: no data available

Section 9: Physical and Chemical Properties

Appearance	light green Solid.		
Odor	Not available.		
Odor Threshold	Not available.		
Melting Point	Not available.	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not applicable.	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Not available.		
Other	Relative density: 3.1 g/cm ³ (20 °C)		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	The product is chemically stable under standard ambient conditions (room temperature) .
Hazardous Polymerization	Not available.
Conditions to Avoid	Not available.
Incompatible Materials	Not available.
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information**RTECS** NO8505000**Acute Toxicity**

Not available.

Skin Corrosion/Irritation

Not available.

Serious Eye Damage/Irritation

Causes serious eye damage.

Respiratory or Skin Sensitization

May cause respiratory irritation.

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry

Eye contact. Inhalation.

Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s) May cause respiratory irritation.**Section 12: Ecological Information****Ecotoxicity**

Not available.

Persistence and Degradability

Not available.

Bioaccumulative Potential

Partition coefficient: n-octanol/water: no data available

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal. Waste code product: no data available

Disposal of Container

Dispose according to legislation. Handle contaminated packages in the same way as the substance itself.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

DOT Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

Not available.

Other

WHMIS CLASS D-2A: Material causing other toxic (Canada) effects (VERY TOXIC); DSCL (EEC) R36/38- Irritating to eyes and skin.; Gloves.; Lab coat.; Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.; Splash goggles.

Section 16: Other Information

Not available.