

Section 1: Identification

Product Name Ferrous Sulfate (Dried) USP
Commercial Name Not available.
Product Use Not available.
Restrictions On Use Not available.

Product Code 30-3160

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 H302 Eye irritation, category 2 H319 Skin irritation, category 2 H315
CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response P302+P352 IF ON SKIN: Wash with plenty of water/... 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+P311 IF exposed or concerned: Call a POISON CENTER/doctor/...
Storage Not available.
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Ferrous Sulfate (Dried) USP
% By Weight 100
CAS# 13463-43-9
Molecular Weight 151.9 g/mole
Chemical Formula FeSO₄.xH₂O
Synonym(s) Ferrous Sulfate Hydrate; Ferrous Sulfate Dried Powder

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Ferrous Sulfate (Dried) USP	7720-78-7	100	TWA: 1 CEIL: 2 (mg/m ³)	Not available.

Section 4: First-Aid Measures

Inhalation	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.
Skin Contact	Not available
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	If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting. 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. 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

Avoid dust formation. Do not allow to enter into surface water or drains. 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. Clear spills immediately.

Section 7: Handling and Storage

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. Storage: 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	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.

Section 9: Physical and Chemical Properties

Appearance	Light green solid		
Odor	Not available.		
Odor Threshold	Not available.		
Melting Point	~ 300 °C	pH	2-4 (50 g/l; H ₂ O; 20 °C)
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)	soluble (20 °C)		
Other	Bulk density: 2.97 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	Moisture.
Incompatible Materials	Not available
Hazardous Decomposition Products	Not available

Section 11: Toxicological Information

RTECS	Not available.
Acute Toxicity	
Acute oral toxicity:	LD50: > 319 mg/kg - Rat - (IUCLID)
Skin Corrosion/Irritation	
Causes skin irritation	
Serious Eye Damage/Irritation	
Causes serious eye irritation	
Respiratory or Skin Sensitization	
Not available.	
Germ Cell Mutagenicity	
Not available.	
Carcinogenicity	
Not available.	
Reproductive Toxicity	
Not available.	
Routes of Entry	
Inhalation. Ingestion.	

Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

Fish toxicity: LC50: 4.45 mg/l (96 h) - Decker, C., and R. Menendez 1975. Acute Toxicity of Iron and Aluminum to Brook Trout. W.Va.Acad.Sci. 46(2):159-167 Daphnia toxicity: EC50: 7.2 mg/l (48 h) - Khangarot, B.S., and P.K. Ray 1989. Investigation of Correlation Between Physicochemical Properties of Metals and Their Toxicity to the Water Flea Daphnia magna Straus. Ecotoxicol.Environ.Saf. 18(2):109-120 Algae toxicity: no data available Bacteria toxicity: no data available

Persistence and Degradability

Not available.

Bioaccumulative Potential

Not 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.

Disposal of Container

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

Other Considerations

Waste code product: 160507

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). : Not available. : NA9125 PG: III 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) R38- Irritating to skin. R41- Risk of serious damage to eyes.;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.