SAFETY DATA SHEET

Section 1

Chemical Product and Company Identification



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Page E1 of E2

CHEMTREC 24 Hour Emergency USA Phone Number (800) 424-9300 For laboratory and industrial use only. Not for drug, food or household use.

Product IRON(III) SULFATE	
Synonyms Ferric Sulfate / Monsel's Salt	
Section 2 Hazards Identification	
Signal word: DANGER Pictograms: GHS05 / GHS07 Target organs: Liver, Kidneys.	 Precautionary statement: P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P312: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor if you feel unwell. P302+P352: IF ON SKIN: Wash with plenty of water and soap. P332+P313: If skin irritation occurs: Get medical attention. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312: Call a POISON CENTER or doctor if you feel unwell. P362+P364: Take off contaminated clothing and wash it before reuse. P403+P233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / Information on Ingredients					
Chemical Name		CAS #	%	EINECS		
Ferric sulfate		10028-22-5	min. 99%	233-072-9		
Section 4	First Aid Measures					

INGESTION: HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SERIOUS EYE DAMAGE. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Product is water soluble and water used to fight fires may become acid.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Mildly hygroscopic. Light sensitive. Keep away from light and moisture.

Section 8	Exposure Controls / Personal Protection						
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)			
	Iron salt, soluble, as Fe	TWA: 1 mg/m ³	Not established	TWA: 1 mg/m ³			

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

approved respirate	or.						
Section 9	Physical & Chemic	al Properties					
Appearance: Soli Odor: Slight odor. Odor threshold: 1 pH: 1 (10% solution Melting / Freezing Boiling point: Da Flash point: Non	Data not available. on) point: Data not available ta not available	Flammability (Explosion limi Vapor pressur Vapor density Relative densi	tte (= 1): Data not a solid/gas): Data not a ts: Lower / Upper: D e (mm Hg): Data not (Air = 1): Data not av ty (Specific gravity): Soluble in water.	available. Data not available available ailable	Auto-igniti Decompos Viscosity: Molecular		Data not available e: Data not available. e.
Section 10	Stability & Reactivi	ity					
Chemical stability Conditions to ave	/: Stable bid: Mildly hygroscopic. F		sture.	Will not occur.			
Incompatible mat	erials: Strong oxidizers, r	mineral acids. Solution is	highly corrosive to mi	ld steel, copper, cop	oper alloys and	galvanized steel.	
Hazardous decor	nposition products: Sulf	ur oxides.					
Section 11	Toxicological Infor	mation					
	ral-rat LD50: >2000 mg/kg						
Carcinogenity: E NTP: No compone IARC: No compone OSHA: No compone Reproductive tox STOT-single expo STOT-repeated e Aspiration hazare Potential health e Inhalation: Not tox Ingestion: Not tox rapid, weak pulse, Skin: Contact with Eyes: Product is o Signs and sympt Additional inform	ent of this product present ent of this product present nent of this product present icity: Data not available soure: The substance or not exposure: Data not available d: Data not available d: Data not available dffects: icit by inhalation. Prolonge ic but as product contacts low blood pressure, drow a skin causes irritation. corrosive to eyes. coms of exposure: See P nation: RTECS #: Data not	at levels greater than or e at levels greater than or nt at levels greater than o mixture is classified as sp ble ed inhalation may cause l moisture it becomes corr siness, hyporeflexia, dilat rotential health effects abo tot available	equal to 0.1% is ident r equal to 0.1% is iden pecific target organ tox ung mottling and irritat osive. Symptoms incl ed pupils, and coma.	ified as probable, po tified as a carcinoge icant, single exposu ion of mucous mem ude abdominal pain	bssible or confir en or potential d re, category 3 v branes , vomiting, diar	med human carci carcinogen by OS with respiratory ef	HA.
Section 12	Ecological Informa	tion					
Toxicity to daphn Toxicity to algae: Persistence and o Mobility in soil: N	degradability: No data av	vailable Bioaccum PBT and v	able ulative potential: No PvB assessment: No	data available o data available	or disposal.		
Section 13	Disposal Consider				,		
These disposal g regulations may	uidelines are intended be different. Dispose of	for the disposal of cata f in accordance with all	local, state and fed				ontainer. State and/or loca mical disposal agency.
Section 14	Transport Informa	tion (US DOT / CANA	DA TDG)				
UN/NA number Hazard class: Exceptions: N		Shipping name: N Packing group: N 2016 ERG Guide #	ot applicable	Reportable Qua	antity: Yes	Ма	rine pollutant: No
Section 15	Regulatory Informa	ation					
	ered to be listed if the CAS nu						
Compo	nent	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65
Ferric sulfate		Listed	1000 lbs (454 kg)	D002	Listed	Not listed	This product does not contain any chemicals known to the Sta of California to cause cancer or

Section 16 **Other Information**

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook. Form 06/2015

reproductive toxicity.