



## Section 1 - Chemical Product and Company Identification

**Product Name** Ferric Sulphate Hydrate extrapure AR, 19-21% Fe  
**Product Code** 14621  
**CAS No** 15244-10-7  
**Use for** Laboratory Chemicals.  
**Company Name** Sisco Research Laboratories Pvt. Ltd.  
**Address** 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Andheri (E), Mumbai - 400 099, India

## Section 2 - Composition/Information on Ingredients

CAS#	Product Name	%	Einecs#
15244-10-7	Ferric Sulphate Hydrate	65-70	233-072-9

No Components need to be Disclosed according to the applicable regulations.

## Section 3 - Hazards Identification

### Risk advice to man and the environment

Toxic if swallowed. Very toxic in contact with skin. Irritating to eyes, respiratory system and skin

## Section 4 - First Aid Measures

**Eyes:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin:** Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Inhalation:** If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**Notes to Physician:**

## Section 5 - Fire Fighting Measures

### Extinguishing Media

**Suitable:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Special Protective

**Equipment For Firefighters:** Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6 - Accidental Release Measures



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**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust.  
Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not  
let product enter drains.

**Methods for cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed  
containers for disposal.

## Section 7 - Handling and Storage

**Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate  
exhaust ventilation at places where dust is formed. Normal measures for  
preventive fire protection.

**Storage:** Room Temperature. Keep container tightly closed in a dry and well-ventilated place.

## Section 8 - Exposure Control / Personal Protection



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**Personal Protective Equipment**

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand Protection:** The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

**Eye Protection:** Safety glasses

**Skin and body protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

**Exposure Time**

Derived No Effect Level (DNEL) See table for values

Route of exposure	Acute effects(local) (systemic)	Acute effects (local)	Chronic effects (systemic)	Chronic effects
Oral				
Dermal			2 mg/kg	
	(ECHA AF Method)			
	10 mg/kg			
	(ECETOC AF method)			
Inhalation			7.2 mg/kg <sup>3</sup>	
	(ECHA AF Method)			
	36 mg/kg <sup>3</sup>			
	(ECETOC AF method)			

**Predicted No Effect Concentration (PNEC) See values below**

Fresh water sediment	49.5g Fe/kg
Microorganisms in sewage treatment	500 mg Fe/l

**Section 9 - Physical and Chemical Properties**

**Physical State:** Powder  
**Molecular Formula:** Fe<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>.xH<sub>2</sub>O  
**Molecular Weight:** 399.8<sub>s</sub>



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## Section 10 - Stability and Reactivity

**Storage stability:** Stable under recommended storage conditions.

**Materials to avoid:**

**Hazardous decomposition**

**Products formed under fire**

**conditions.** - Sulfur oxides.

## Section 11 - Toxicological Information

Acute toxicity: LD50 Oral - Rat - > 500 - < 2.000 mg/kg

Irritation and corrosion: No data available

Sensitisation: No data available

Chronic exposure: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs And Symptoms

Of Exposure: No data available

Route Of Exposure

Inhalation: No data available

Skin : No data available

Eyes: No data available

Ingestion: No data available

## Section 12 - Ecological Information

No data available.

## Section 13 - Disposal Considerations

**Product:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging:** Dispose of as unused product.

## Section 14 - Transport Information

	IATA	IMO	RID/ADR
<b>Shipping Name:</b>	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S Iron (III) Sulfate		
<b>Hazard Class:</b>	8	8	8
<b>UN Number:</b>	3260	3260	3260
<b>Packing Group:</b>	III	III	III

## Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006



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RESEARCH  
LABORATORIES  
PVT. LTD.**

# Safety Data Sheet

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## **Section 16 - Other Information**

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.