

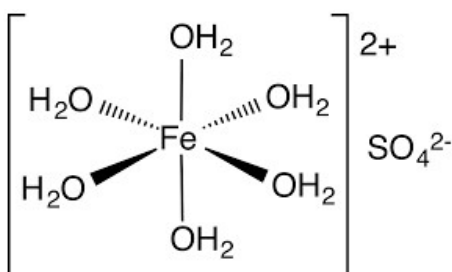
**MATERIAL SAFETY DATA SHEET**

Name of product : <b>FERROUS SULPHATE HEPTAHYDRATE</b>	Page Revision no .	1 of 8 00
Document number : <b>SNP/MSDS-024</b>	Effective date :	02-05-2022

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifiers:**

Product form : Substance  
Substance name : FERROUS SULPHATE HEPTAHYDRATE  
CAS No : 7782-63-0  
Formula : FeSO<sub>4</sub>.7H<sub>2</sub>O



**1.2 Relevant identified uses of the substance or mixture and uses advised again**

Identified uses : Laboratory chemicals, Industrial & for professional use only..

**1.3 Details of the supplier of the safety data sheet**

Company : Sujata Nutri-Pharma Pvt. Ltd.  
875/2 GIDC Estate Makarpura Vadodara 390010, Gujarat , India  
Telephone : 0265-3500351  
Website : www.sujatanutripharma.com  
Email : info@sujatanutripharma.com

**1.4 Emergency telephone number**

Emergency telephone : 02652630282 (9:00 to 6:00) office hours only

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**




Acute toxicity, Oral (Category 4), H302  
Skin irritation (Category 2), H315 Eye irritation (Category 2), H319  
For the full text of the H-Statements mentioned in this Section, see Section 16.

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Xn Harmful R22  
Xi Irritant R36/38

For the full text of the R-phrases mentioned in this Section, see Section 16.

**2.2 Label elements**

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**Labelling according Regulation (EC) No 1272/2008**

Pictogram


**Skin irritation**

Signal	word Warning
Hazard statement(s)	
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation

Precautionary statement(s)

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements none

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

**SECTION 3: Composition/information on ingredients**
**3.1 Substances**

Synonyms : Ferrous sulfateheptahydrate

 Formula :  $FeO_4S \cdot 7H_2O$ 

Molecular weight : 278,01 g/mol

CAS-No. : 7782-63-0




EC-No. : 231-753-5

Index-No. : 026-003-01-4

**Hazardous ingredients according to Regulation (EC) No 1272/2008**

Component	Classification	Concentration
<b>Ferrous sulfate heptahydrate</b>		
CAS-No. 7782-63-0	Acute Tox. 4; Skin Irrit. 2; Eye	≤ 100 %
EC-No. 231-753-5	Irrit. 2; H302, H315, H319	

**Hazardous ingredients according to Directive 1999/45/EC**

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**SUJATA NUTRI-PHARMA PVT. LTD.**  
875/2, GIDC Estate, Makarpura, Vadodara-390010

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Component	Classification	Concentration
<b>Ferrous sulfate heptahydrate</b>		
CAS-No. 7782-63-0	Xn, R22 - R36/38	<= 100 %
EC-No. 231-753-5		

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

#### Section 4: First Aid Measures

##### 4.1 Description of first aid measures

###### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

###### If inhaled

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

###### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

###### In case of eye contact

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

###### If swallowed

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

##### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

##### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

#### SECTION 5: Fire Fighting Measures

##### 5.1 Extinguishing media

###### Suitable extinguishing media

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

##### 5.2 Special hazards arising from the substance or mixture

Sulphur oxides, Iron oxides

##### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

##### 5.4 Further information

No data available

#### SECTION 6: Accidental release measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

For personal protection see section 8.

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#### 6.2 Environmental precautions

Do not let product enter drains.

#### 6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal see section 13.

### Section 7: Handling and Storage

#### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store at ambient/room temperature away from sunlight in a tightly closed condition..

#### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

### Section 8: Exposure Controls/Personal Protection

#### 8.1 Control parameters

Components with workplace control parameters

#### 8.2 Exposure controls

##### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

##### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Do not let product enter drains.

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**Section 9: Physical and Chemical Properties**
**9.1 Information on basic physical and chemical properties**

a) Appearance	Form: solid
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	3,0 - 4,0 at 50 g/l at 25 °C
e) Melting point/freezing Melting point/range:	64 °C
f) Initial boiling point and boiling range	No data available
g) Flash point	Not applicable
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	14,6 hPa at 25 °C
l) Vapour density	No data available
m) Relative density	1,898 g/cm <sup>3</sup> at 25 °C
n) Water solubility	No data available
o) Partition coefficient: n- octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

**9.2 Other safety information**

 Bulk density 1.300 kg/m<sup>3</sup>
**Section 10 : Stability and Reactivity Data**
**10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

No data available




**10.5 Incompatible materials**

Strong oxidizing agents

**10.6 Hazardous decomposition products**

Other decomposition products - No data available In the event of fire: see section 5

**Section 11 : Toxicological Information**
**11.1 Information on toxicological effects**

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**Acute toxicity**

LD50 Oral - Mouse - 1.520 mg/kg

LD50 Intraperitoneal - Mouse - 245 mg/kg LD50 Intravenous - Mouse - 51 mg/kg

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

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.

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

RTECS: NO8510000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

**Section 12 : Ecological Information**
**12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**




No data available

**12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects**

No data available

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**Full text of R-phrases referred to under sections 2 and 3**

Xn Harmful  
R22 Harmful if swallowed.  
R36/38 Irritating to eyes and skin.

**Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sujata Nutri-Pharma Pvt.Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

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