



Sujata
Nutri-Pharma

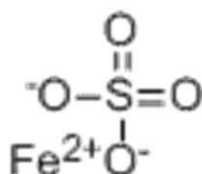
SUJATA NUTRI-PHARMA PVT. LTD.
875/2, GIDC Estate, Makarpura, Vadodara-390010

MATERIAL SAFETY DATA SHEET

| | | |
|--|-----------------------|--------------|
| Name of product : DRIED FERROUS SULPHATE | Page Revision no . | 1 of 8 00 |
| Document number : SNP/MSDS-73 | Effective date : | 02-05-2022 |

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

- 1.1 Product identifiers
Product name : Ferrous Sulphate Hydrate
CAS-No. : 13463-43-9



- 1.2 Relevant identified uses of the substance or mixture and uses advised against 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
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410
For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008
Pictogram

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|-----------|----------------------|---------------|-------------|
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MATERIAL SAFETY DATA SHEET

| | |
|--|--------------------------------|
| Name of product : DRIED FERROUS SULPHATE | Page 2 of 8 |
| Document number : SNP/MSDS-73 | Revision no . 00 |
| | Effective date : 02-05-2022 |



Exclamation Mark



Environmental
Hazard

Signal word Warning

Hazard statement(s)

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P273 Avoid release to the environment.

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

P501 Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard Statements : NONE

2.3 other hazard

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 Formula : $FeSO_4 \cdot xH_2O$

Molecular weight : 151.91 g/mol

CAS-No. : 13463-43-9

EC-No. : 231-753-5

Index-No. : 026-003-00-7

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

| Component | Classification | Concentration |
|-----------|----------------|---------------|
|-----------|----------------|---------------|

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| | |
|--|--------------------------------|
| Name of product : DRIED FERROUS SULPHATE | Page 3 of 8 |
| Document number : SNP/MSDS-73 | Revision no . 00 |
| | Effective date : 02-05-2022 |

Iron(II) sulfate hydrate

CAS-No. 13463-43-9

EC-No. 231-753-5

Acute Tox. 4; Skin Irrit. 2; Eye

<= 100 %

Irrit. 2; Aquatic Acute 1;

Index-No. 026-003-00-7

Aquatic Chronic 1; H302, H315, H319,

H400, H410 M-Factor - Aquatic Acute: 1

For the full text of the H-Statements 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

Flush eyes with water as a precaution.

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

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| MATERIAL SAFETY DATA SHEET | | |
|--|-------------------------|------------|
| Name of product : DRIED FERROUS SULPHATE | Page | 4 of 8 |
| | Revision no . | 00 |
| Document number : SNP/MSDS-73 | Effective date : | 02-05-2022 |

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.

6.2 Environmental precautions Prevent further leakage or spillage if safe to do so.
Do not let product enter drains. Discharge into the environment must be avoided.

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

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.

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| | |
|--|--------------------------------|
| Name of product : DRIED FERROUS SULPHATE | Page 5 of 8 |
| Document number : SNP/MSDS-73 | Revision no . 00 |
| | Effective date : 02-05-2022 |

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle r (US) or type ABEKP2 (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

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

- a) Appearance Form: crystalline Colour: light blue, green
- 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 No data available point
- f) Initial boiling point and No data available boiling range
- g) Flash point Not applicable
- h) Evaporation rate No data available
- i) Flammability (solid, gas) No data available
- j) Upper/lower No data available flammability or explosive limits
- k) Vapour pressure 14.6 mmHg at 25 °C
- l) Vapour density No data available
- m) Relative density 1.898 g/cm³
- n) Water solubility No data available
- o) Partition coefficient: n- No data available octanol/water
- p) Auto-ignition No data available temperature
- q) Decomposition No data available temperature
- r) Viscosity No data available
- s) Explosive properties No data available
- t) Oxidizing properties No data available

9.2 Other safety information No data available

Section 10 : Stability and Reactivity Data

10.1 Reactivity

No data available

10.2 Chemical stability

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|--|--------------------------------|
| Name of product : DRIED FERROUS SULPHATE | Page 6 of 8 |
| Document number : SNP/MSDS-73 | Revision no . 00 |
| | Effective date : 02-05-2022 |

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Air Avoid moisture.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Sulphur oxides, Iron oxides Other decomposition products - No data available

In the event of fire: see section 5

Section 11 : Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - 319 mg/kg(Iron(II) sulfate hydrate)

No data available(Iron(II) sulfate hydrate)

Skin corrosion/irritation

No data available(Iron(II) sulfate hydrate)

Serious eye damage/eye irritation

No data available(Iron(II) sulfate hydrate)

Respiratory or skin sensitisation

No data available(Iron(II) sulfate hydrate)

Germ cell mutagenicity

No data available(Iron(II) sulfate hydrate)

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(Iron(II) sulfate hydrate)

Specific target organ toxicity - single exposure

No data available(Iron(II) sulfate hydrate)

Specific target organ toxicity - repeated exposure

No data available




Aspiration hazard

No data available(Iron(II) sulfate hydrate)

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|--|------------------|------------|
| Name of product : DRIED FERROUS SULPHATE | Page | 7 of 8 |
| | Revision no . | 00 |
| Document number : SNP/MSDS-73 | Effective date : | 02-05-2022 |

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| <p>Additional Information</p> <p>RTECS: Not available</p> <p>To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(Iron(II) sulfate hydrate)</p> |
| Section 12 : Ecological Information |
| <p>12.1 Toxicity No data available</p> <p>12.2 Persistence and degradability No data available</p> <p>12.3 Bioaccumulative potential No data available</p> <p>12.4 Mobility in soil No data available(Iron(II) sulfate hydrate)</p> <p>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.</p> <p>12.6 Other adverse effects Very toxic to aquatic life with long lasting effects. No data available Very toxic to aquatic life with long lasting effects.</p> |
| Section 13 : Disposal Considerations |
| <p>13.1 Waste treatment methods Product Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chem scrubber. Contaminated packaging Dispose of as unused product.</p> |
| Section 14 : Transport Information |
| <p>14.1 UN number ADR/RID: - IMDG: - IATA: -</p> <p>14.2 UN proper shipping name ADR/RID: - IMDG: - IATA: -</p> <p>14.3 Transport hazard class(es)</p> |

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|--|-------------------------|------------|
| Name of product : DRIED FERROUS SULPHATE | Page | 8 of 8 |
| | Revision no . | 00 |
| Document number : SNP/MSDS-73 | Effective date : | 02-05-2022 |

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| ADR/RID: IMDG: IATA: 14.4 Packaging group ADR/RID: IMDG: IATA: 14.5 Environmental hazards ADR/RID: no IMDG Marine pollutant: no IATA: no 14.6 Special precautions for user No data available |
| Section 15: Other Regulatory Information |
| 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. 15.2 Chemical safety assessment For this product a chemical safety assessment was not carried out |
| Section 16 : Other Information |
| Revision no: 00 Revision date: 02-05-2022 Other information: None. Full text of H-Statements referred to under sections 2 and 3. H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. 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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