



MATERIAL SAFETY DATA SHEET SDS/MSDS

IRON (II) SULPHATE 0.1M (0.1N) STANDARDIZED SOLUTION traceable to NIST

Synonyms :

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

1.1 Product identifier

Chemical Name :	IRON (II) SULPHATE 0.1M (0.1N) Standardized Solution		
Product Code. :	B-01472	Product form :	Mixture
CAS Number :		EC Number :	
Grade :		EC Index Number :	
Chemical Formula :		HSN Code :	38220090
Synonyms :			
Chemical Structure :			

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Industrial For professional use only

Uses advised against : No additional information available

1.3 Details of the supplier of the safety data sheet

Company identification : 5455 Nicholson Road, Science Market
Ambala Cantt, 133001 - Haryana
+91 82952 41953
info@biofinechemical.com - www.biofinechemical.com

1.4 Emergency Contact Details

Phone No : +91 99921 51495 (10.00am - 06.30pm) (Office Hours)

SECTION 2: Hazards identification	
2.1 Classification of the substance or mixture	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Not classified	
Classification according to Directive 67/548/EEC or 1999/45/EC	
Not classified	
Adverse physicochemical, human health and environmental effects	
No additional information available	
2.2 Label elements	
Labelling according to Regulation (EC) No. 1272/2008 [CLP]	
No labelling applicable	
2.3 Other hazards	
Other hazards :	No additional information available

SECTION 3: Composition/information on ingredients					
3.1. Substance					
Not applicable					
3.2. Mixture					
Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Water	(CAS-No.) 7732-18- 5 (EC-No.) 231-791-2	75 - 99	Not classified	Not classified	
Iron (II) sulfate	(CAS-No.) 7720-78- 7 (EC-No.) 231-753-5 (EC Index-No.) 026- 003-00-7	10 - 15	Xn; R22 Xi; R36/38	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Irrit. 2, H315	
Full text of R- and H-statements: see section 16					

SECTION 4: First aid measures	
4.1 Description of first aid measures	
First-aid measures after inhalation :	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact :	Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact :	Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion :	Rinse mouth out with water. If you feel unwell, seek medical advice.
4.2 Most important symptoms and effects, both acute and delayed	
Symptoms relating to use :	Symptoms/effects after skin contact : Causes skin irritation. Symptoms/effects after eye contact : Causes serious eye irritation.
4.3 Indication of any immediate medical attention and special treatment needed	
General information :	Treat symptomatically.

SECTION 5: Fire-fighting measures	
5.1 Extinguishing media	
Suitable extinguishing media :	dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).
Unsuitable extinguishing media :	Do not use a heavy water stream.
5.2 Special hazards arising from the substance or mixture	
Special procedures :	No additional information available
5.3 Advice for firefighters	
Protection during firefighting :	Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures	
6.1 Personal precautions, protective equipment and emergency procedures	
6.1.1. For non-emergency personnel	
Emergency procedures :	Avoid contact with skin, eyes and clothing.
6.1.2. For emergency responders	
Protective equipment	Use personal protective equipment as required

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up :

Clean contaminated surfaces with an excess of water.

6.4 Reference to other sections

Reference :

No additional information available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling :

Avoid contact with skin and eyes.

Hygiene measures :

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions :

Store in a well-ventilated place. Keep container tightly closed.

7.3 Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No additional information available

8.2 Exposure controls

Hand protection :

Protective gloves

Eye protection :

Chemical goggles or safety glasses

Skin and body protection :

Wear suitable protective clothing

Respiratory protection :

Wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state :

Liquid Colour

Colour :

Clear pale yellow.

Odour :

No data available

Odour threshold :

No data available

pH value :

No data available

Relative evaporation rate (butylacetate=1) :

No data available

Melting point :

No data available

Freezing point :

No data available

Boiling point :

No data available

Flash point :

No data available

Auto-ignition temperature :

No data available

Decomposition temperature :

No data available

Flammability (solid, gas) :	No data available
Vapour pressure :	No data available
Relative vapour density at 20°C :	No data available
Solubility :	No data available
Log Pow :	No data available
Viscosity, kinematic :	No data available
Viscosity, dynamic :	No data available
Explosive properties :	No data available
Oxidising properties :	No data available
Explosive limits :	No data available
9.2 Other information	
No additional information available	

SECTION 10: Stability and reactivity
10.1 Reactivity
No additional information available
10.2 Chemical stability
Stable under normal conditions.
10.3 Possibility of hazardous reactions
No additional information available
10.4 Conditions to avoid
Direct sunlight.
10.5 Incompatible materials
No additional information available
10.6 Hazardous decomposition products
No additional information available

SECTION 11: Toxicological information	
11.1 Information on toxicological effects	
Acute toxicity :	Not classified Irritation : Not classified Corrosivity : Not classified Sensitisation : Not classified Repeated dose toxicity : Not classified Carcinogenicity : Not classified Mutagenicity : Not classified Toxicity for re
Skin corrosion/irritation :	
Serious eye damage/irritation :	
Respiratory or skin sensitisation :	
Germ cell mutagenicity :	
Carcinogenicity :	

SECTION 12: Ecological information	
12.1 Toxicity	
Toxicity information :	No additional information available
12.2 Persistence - degradability	
Persistence - degradability :	No additional information available
12.3 Bioaccumulative potential	
Bioaccumulative potential :	No additional information available
12.4 Mobility in soil	
Mobility in soil :	No additional information available
12.5 Results of PBT and vPvB assessment	
No additional information available	
12.6 Other adverse effects	
Environmental precautions :	No additional information available

SECTION 13: Disposal considerations	
13.1 Waste treatment methods	
Additional Info :	No additional information available

SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / ADN	
14.1. UN number	
UN-No. (ADR) :	Not applicable
UN-No. (IMDG) :	Not applicable
UN-No. (IATA) :	Not applicable
UN-No. (ADN) :	Not applicable
UN-No. (RID) :	Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (ADR) :	Not applicable
Proper Shipping Name (IMDG) :	Not applicable
Proper Shipping Name (IATA) :	Not applicable
Proper Shipping Name (ADN) :	Not applicable
Proper Shipping Name (RID) :	Not applicable
Transport document description (ADR) :	Not applicable
Transport document description (IMDG) :	Not applicable
Transport document description (IATA) :	Not applicable
Transport document description (ADN) :	Not applicable
Transport document description (RID) :	Not applicable
14.3. Transport hazard class(es)	
ADR	

Transport hazard class(es) :	Not applicable
IMDG	
Transport hazard class(es) :	Not applicable
IATA	
Transport hazard class(es) :	Not applicable
ADN	
Transport hazard class(es) :	Not applicable
RID	
Transport hazard class(es) :	Not applicable

14.4. Packing group	
Packing group (ADR) :	Not applicable
Packing group (IMDG) :	Not applicable
Packing group (IATA) :	Not applicable
Packing group (ADN) :	Not applicable
Packing group (RID) :	Not applicable
14.5. Environmental hazards	
Dangerous for the environment :	No
Marine pollutant :	No
Other information :	No supplementary information available
14.6. Special precautions for user	
- Overland transport	
No data available	
- Transport by sea	
No data available	

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU-Regulations :

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 3, Highly hazardous to water (Classification according to AwSV, Annex 1)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV
: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed
SZW-lijst van mutagene stoffen : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen ♦ Borstvoeding
: The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen ♦ Vruchtbaarheid
: The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen ♦ Ontwikkeling
: The substance is not listed

15.2 Chemical Safety Assessment

No additional information available

SECTION 16: Other Information

Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4

Eye Irrit. 2 Serious eye damage/eye irritation, Category 2

Skin Irrit. 2 Skin corrosion/irritation, Category 2

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

R22 Harmful if swallowed

R36/38 Irritating to eyes and skin

Xi Irritant

Xn Harmful