

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.11.2024

Version number 105.02 (replaces version 105.01)

Revision: 11.11.2024

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

### - 1.1 Product identifier

- Trade name **FE SORP® Eisenhydroxid**

- Article number: 1002850541006

- REACh-Registration number

The substance is exempted from compulsory registration in accordance with the REACh regulation EEC No. 1907/2006 (Article 2, paragraph 7 b, Annex V)

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

No further relevant information available.

- Application of the substance / the mixture Binding of hydrogen sulphide in anaerobic processes

### - 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

Staub & Co. - Silbermann GmbH  
Ostendstraße 124  
D-90482 Nürnberg  
Tel.: 0911 / 5482 - 0  
Fax: 0911-5482 -1119  
Mail: info@staub-silbermann.de

- Informing department:

Abteilung HSE  
e-Mail: sdb@staub-silbermann.de

### - 1.4 Emergency telephone number:

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz

Tel. (+49) 61 31 / 19 240.

## SECTION 2: Hazards identification

### - 2.1 Classification of the substance or mixture

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

The product is not classified, according to the CLP regulation.

### - 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008 Void

- Hazard pictograms Void

- Signal word Void

- Hazard statements Void

- Additional information:

According to the current state of knowledge, no synthetic polymer microparticles > 0.01% are contained.

### - 2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

- Determination of endocrine-disrupting properties Not applicable.

## \* SECTION 3: Composition/information on ingredients

### - 3.2 Mixtures

- Description: Mixture

- Dangerous components: Void

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**- SVHC**

*This preparation does not contain any substances of very high concern (SVHC) in a concentration of  $\geq 0.1$  % according to Regulation (EC) 1907/2006, Article 57.*

**- Additional information** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

**- 4.1 Description of first aid measures****- General advice:**

*Instantly remove any clothing soiled by the product.*

*If unconscious, position and transport in stable lateral position.*

**- After inhalation** Supply fresh air; consult doctor in case of symptoms.

**- After skin contact** Rinse with warm water.

**- After eye contact**

*Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.*

**- After swallowing** Do not induce vomiting; instantly call for medical help.

**- 4.2 Most important symptoms and effects, both acute and delayed**

*No further relevant information available.*

**- 4.3 Indication of any immediate medical attention and special treatment needed**

*No further relevant information available.*

## SECTION 5: Firefighting measures

**- 5.1 Extinguishing media**

**- Suitable extinguishing agents** Coordinate fire extinguishing measures with the surroundings.

**- For safety reasons unsuitable extinguishing agents** Water with a full water jet.

**- 5.2 Special hazards arising from the substance or mixture** No further relevant information available.

**- 5.3 Advice for firefighters**

**- Protective equipment:** Wear self-contained breathing apparatus.

## SECTION 6: Accidental release measures

**- 6.1 Personal precautions, protective equipment and emergency procedures**

*Not required.*

*Avoid causing dust.*

**- 6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.

**- 6.3 Methods and material for containment and cleaning up:**

*Take up mechanically and rinse off residues with water. Avoid formation of dust. Take up in suitable containers and send for recovery or disposal according to item 13.*

**- 6.4 Reference to other sections**

*See Section 7 for information on safe handling*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for information on disposal.*

## SECTION 7: Handling and storage

**- 7.1 Precautions for safe handling** Open and handle container with care.

**- Information about protection against explosions and fires:**

*With powdery organic substances, the danger of dust explosions must generally be expected.*

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage** Store in cool, dry conditions in well sealed containers.
- **Requirements to be met by storerooms and containers:**  
A good ventilation/suction on the workplace or storage area to be ensured
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store under dry conditions.
- **Storage class** 13 (TRGS 510)
- **7.3 Specific end use(s)** No further relevant information available.

## \* SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** Extraction required in case of dust formation.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to in handling the chemicals.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes and skin.  
Do not inhale dust. Prevent formation of dust.
- **Breathing equipment:** Breathing protection to be used where a build-up of dust occurs.
- **Recommended filter device for short term use:** Filter P2
- **Hand protection**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
Butyl rubber, BR  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Wear suitable safety goggles in case of formation of dust.
- **Body protection:** Standard protective work clothing.

## \* SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Solid.
- **Colour:** Red-brown

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- <b>Smell:</b>	Odourless
- <b>Odour threshold:</b>	Not determined.
- <b>Melting point/freezing point:</b>	Not determined
- <b>Boiling point or initial boiling point and boiling range</b>	Not determined
- <b>Flammability</b>	Not determined.
- <b>Lower and upper explosion limit</b>	
- <b>Lower:</b>	Not determined.
- <b>Upper:</b>	Not determined.
- <b>Flash point:</b>	Product is non-flammable nor potentially explosive
- <b>Decomposition temperature:</b>	Not determined.
- <b>pH</b>	not applicable
- <b>pH-value:</b>	
- <b>Viscosity:</b>	
- <b>Kinematic viscosity</b>	Not applicable.
- <b>dynamic:</b>	Not applicable.
- <b>Solubility</b>	
- <b>Water:</b>	Insoluble
- <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
- <b>Vapour pressure:</b>	Not applicable.
- <b>Density and/or relative density</b>	
- <b>Density</b>	Not determined
- <b>Relative density</b>	Not determined.
- <b>Vapour density</b>	Not applicable.
- <b>Particle characteristics</b>	See section 3.

**- 9.2 Other information**

- <b>Appearance:</b>	
- <b>Form:</b>	Powder
- <b>Important information on protection of health and environment, and on safety.</b>	
- <b>Self-inflammability:</b>	Product is not selfigniting.
- <b>Explosive properties:</b>	Product is not potentially explosive
- <b>Evaporation rate</b>	Not applicable.

**- Information with regard to physical hazard classes**

- <b>Explosives</b>	Void
- <b>Flammable gases</b>	Void
- <b>Aerosols</b>	Void
- <b>Oxidising gases</b>	Void
- <b>Gases under pressure</b>	Void
- <b>Flammable liquids</b>	Void
- <b>Flammable solids</b>	Void
- <b>Self-reactive substances and mixtures</b>	Void
- <b>Pyrophoric liquids</b>	Void
- <b>Pyrophoric solids</b>	Void
- <b>Self-heating substances and mixtures</b>	Void
- <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
- <b>Oxidising liquids</b>	Void
- <b>Oxidising solids</b>	Void
- <b>Organic peroxides</b>	Void
- <b>Corrosive to metals</b>	Void

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- **Desensitised explosives**

Void

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Strong acids
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

## \* SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

## \* SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** There is no information on the product available.
- **12.3 Bioaccumulative potential** No bioaccumulation expected.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water.

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### SECTION 13: Disposal considerations

#### - 13.1 Waste treatment methods

##### - Recommendation

Can be burnt with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

Disposal in accordance with official regulations.

##### - Waste disposal key number:

Since 1 January 1999, the waste code numbers have not only been product-related but essentially application-related. The waste code number valid for the application can be taken from the European Waste Catalogue.

##### - Uncleaned packagings: Disposal in accordance with official regulations.

##### - Recommendation:

**L e v e l o p m e n t :** After optimal emptying, immediately return to the supplier tightly closed and without cleaning. Make sure that no foreign matter gets into the packaging!

Other containers: Empty completely and clean for reconditioning or reprocessing.

### SECTION 14: Transport information

#### - 14.1 UN number or ID number

- ADR/RID, IMDG, IATA Void

#### - 14.2 UN proper shipping name

- ADR/RID, IMDG, IATA Void

#### - 14.3 Transport hazard class(es)

- ADR/RID, IMDG, IATA

- Class Void

#### - 14.4 Packing group

- ADR/RID, IMDG, IATA Void

- 14.6 Special precautions for user Not applicable.

#### - 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

#### - Transport/Additional information:

Not dangerous according to the above specifications.

#### - UN "Model Regulation":

Void

### SECTION 15: Regulatory information

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

- Labelling according to Regulation (EC) No 1272/2008 Void

- Hazard pictograms Void

- Signal word Void

- Hazard statements Void

- Directive 2012/18/EU

- Named dangerous substances - ANNEX I None of the ingredients is listed.

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**- LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)**

None of the ingredients is listed.

**- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**- REGULATION (EU) 2019/1148****- Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**- National regulations****- Other regulations, limitations and prohibitive regulations****- Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

**- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.****SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

**- Department issuing data specification sheet:**

Stockmeier Chemie GmbH &amp; Co.KG

Am Stadtholz 37

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B i e l e f e l d

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**- Date of previous version: 20.03.2023****- Version number of previous version: 105.01****- Abbreviations and acronyms:**

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

SVHC: Substance of Very High Concern

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

**- \* Data compared to the previous version altered.**