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

· Informations to product No. 2237
· Product name:

Ferrum oxydatum rubrum
Eisen(III)-oxid, rot
Iron(III)-oxide, red
E 172

· Supplier of the Product / responsible Company:
Caesar & Loretz GmbH
Herderstr. 31
40721 Hilden
Tel.: 02103/4994-400
Fax: 02103/4994-580
e-mail: info@caelo.de
· Emergency telephone:
Giftinformationszentrum Mainz
Langenbeckstr. 1, 55131 Mainz
Tel.: 06131/19240

2 Hazards identification

· Hazards identification: The substance is not classified as dangerous according to European Union legislation..

3 Composition / information on ingredients

· Chemical characterization:
CAS-No. Substance name
1309-37-1 Iron(III)-oxide (E 172)
· Identification number(s)
C.I.No.: 77491
· EINECS-No.: 215-168-2

4 First aid measures

· General advices: Remove contaminated clothing.
· after inhalation: Ruhe, Fresh air.
· after skin contact: Wash away with water and soap.
· after eye contact: Rinse out with plenty of water with the eyelid wide open. Irritations are caused merely by mechanical effects. Call in ophthalmologist if feeling unwell continuously.
· after swallowing: Rinse mouth, drink plenty of water.

5 Fire-fighting measures

· Suitable extinguishing media: All regular extinguishing media can be used. Select fire fighting
measures suitable to surrounding environment.
- **Specific hazards during fire fighting**: none. Product is not combustible and does not release dangerous vapours in case of fire.

### 6 Accidental release measures

- **Personal protective measures**: If dust is generated: Respiratory protection required.
- **Environmental protective measures**: Prevent from entering of bigger quantities into drainage.
- **Methods for cleaning**: Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.
- **General information**: No hazardous substances are released.

### 7 Handling and storage

- **Handling**: No special measures required.
- **Requirements for storage areas and containers**: Tightly closed. Store at a dry place. At room temperature ( +15°C to +25°C ).
- **Advices on common storage**: Not required.
- **Additional informations to storage conditions**: none

### 8 Exposure controls / personal protective equipment

Components with limit values that require monitoring at the workplace:
1309-37-1 Iron(III)-oxide (100,0%)
MAK: 6 F mg/m³ (Dust)
- **Personal protective equipment**:
- **General protective and hygiene measures**: The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection**: If dust is generated
- **Hand protection**: Not required.
- **Eye protection**: Safety glasses.

### 9 Physical and chemical properties

- **Form**: Powder
- **Colour**: red - brown
- **Odour**: Odourless
- **Melting point / melting range**: >1000 ° C
- **Boiling point / boiling range**: not determined
- **Flammability (solid, vapours)**: The product is not flammable.
- **Density**: at 20 ° C 5 g/cm³
- **Bulk density**: at 20 ° C 600-1000 kg/m³
- **Solvency in / Miscibility with**
- **Water** not soluble
- **Additional information**: Soluble in strong mineral acids by forming iron(III)-salts
10 Stability and reactivity

- Thermical decomposition / conditions to avoid:
  No decomposition during appropriate use.
- Materials to avoid: Strong mineral acids
- Hazardous reactions: No hazardous reactions known.
- Hazardous decomposition products: none.

11 Toxicological information

- Acute toxicity:
  LD/LD50-data relevant for hazard classification:
  1309-37-1 Iron(III)-oxide
  Oral: LD50: >5000 mg/kg (rat)
- Primary irritating effect:
  on skin: Not irritant
  on eyes: Not irritant
- Additional toxicological informations: In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

- Information about elimination (persistence and degradability):
  In water not soluble. The product can separated from water by sedimentation.
- Ecotoxic effects:
- Verhalten in Kläranlagen:
  If small quantities are entering into sewage plants, perturbations of the activity of biodegrading organisms are not likely

13 Disposal considerations

- Product:
  Recommendation: Disposal according to local regulations as pharmaceutical waste.
- Empty contaminated packaging:
  Recommendation: Disposal according to the local regulations.

14 Transport informations

- Land transport according to ADR:
  Not classified as dangerous in the meaning of transport regulations.

15 Regulatory information

- Labelling according to EC-regulations:
  The product does not need to be labelled according to EC directives or respective national laws.
16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

· **Reason for last revision**: Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.