

Safety Data Sheet 1907/2006/EC - Reach (GB)
ABSORPTIONSMITTEL 5
Dr. Ecker GmbH

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

1.1 Product identifier

name: ABSORPTIONSMITTEL 5
relevant uses: water purification
IUPAC: Iron hydroxide oxide
EINECS: 243-746-4
CAS: 20344-49-4

1.2 Company:

Dr. Ecker GmbH
Wasserreinigungssysteme
Kastanienallee 15
88499 Riedlingen / Germany
Tel.: +49 (0) 7371 - 959475 / Fax: +49 (0) 7371 - 909467
E-mail: info@dr-ecker-gmbh.de

1.3 Emergency telephone number

Advice centre Berlin: Tel.: +49 (0) 30 - 19240

Section 2: Hazards identification

2.1 Classification of the substance or mixture [Regulation (EC) No 1272/2008]

no classification

2.2 Label elements

none

2.3 Other hazards

Does not contain any PBT or vPvB substances.

Section 3: Composition / Information on ingredients

3.1 Substance

name: Iron hydroxide oxide
chemical formula: (FeO(OH))
CAS: 20344-49-4
EINECS: 243-746-4

No dangerous components.

Substance(s) of Very High Concern - SVHC: substances are not contained or are below 0.1%. Substance(s) exempted from the registration requirement according to the REACH-Regulation 1907/2006/EC (e) (Art. 2 paragraph 7 sub-section d, or Art. 2 paragraph 7 sub-section b, as they accord with Appendix V Point 7 or Point 8).

Section 4: First aid measures

4.1 Description of first aid measures

inhalation: Ensure supply of fresh air. In the event of symptoms seek medical treatment.

skin contact: When the contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.

eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Consult a doctor if eye irritation persists.

ingestion : Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

none known

4.3 Indication of any immediate medical attention and special treatment needed

treat symptomatically

Section 5: Fire-fighting measures

5.1 Extinguishing media

Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.

5.2 Special hazards arising from the substance or mixture

none

5.3 Advice for firefighters

Use self-contained breathing apparatus. Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special measures necessary.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically. Avoid raising dust. Dispose of absorbed material in accordance within the regulations.

6.4 Reference to the other sections

See section 8 and 13.

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Section 7: Handling and storage

7.1 Precautions for safe handling

Avoid the formation and deposition of dust. Provide vacuuming if dust raised. The product is not combustible. Wash hands before breaks and after work. Use barrier skin cream. Do not eat, drink, smoke or take drugs at work.

7.2 Conditions for safe storage, including any incompatibilities

Prevent penetration into the ground. Do not store together with food and animal food/diet. Store in a dry place.

7.3 Specific end use(s)

water purification

Section 8: Exposure controls / personal protection

8.1 Control parameters

not applicable

8.2 Exposure controls

Ensure adequate ventilation on workstation.

eye protection: Safety glasses.

hand protection: 0,4 mm butyl rubber, > 120min (EN 374) The details concerned are recommendations. Please contact the glove supplier for the further information.

skin protection: Protective clothing (EN 340)

other: Avoid contact with eyes and skin. Do not inhale dust. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.

respiratory protection: Respiratory protection in the case of dust formation. short term: filter apparatus, filter P1 (DIN EN 143)

thermal hazards: none

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

form: granulates

color: red-brown

odor: odourless

odor threshold: not applicable

pH-value: 7-8

boiling point: not applicable

flash point: not applicable

flammability: not applicable

evaporation speed: not applicable

explosion limit: not applicable

melting point: not determined

bulk density: 550 - 700 kg/m³ (90%TS)

solubility in water: virtually insoluble

9.2 Other information

none

Section 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

The product is stable under standard conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

see section 7.2

10.5 Incompatible materials

not applicable

10.6 Hazardous decomposition products

No hazardous decomposition products known.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

none [LD50, oral, Rat: >10000mg/kg (IUCRID)]

Serious eye damage / irritation

non-irritant

Skin corrosion / irritation

non-irritant

Carcinogenicity

There is no evidence of any carcinogenic effects.

Specific target organ toxicity-single or repeated exposure

Does not contain a relevant substance that meets the classification criteria.

Aspiration hazard

none

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Section 12: Ecological information

12.1 Toxicity

Iron hydroxide oxide, CAS: 20344-49-4
LC0, (48h), Leuciscus idus: >1000 mg/l (IUCLID)
EC0, Pseudomonas fluorescens: >10000 mg/l (IUCLID)

12.2 Persistence and degradability

Behaviour in sewage plant: Iron hydroxide oxide to absorb nutrient, specially phosphate.

12.3 Bioaccumulative potential

not applicable

12.4 Mobility in soil

not applicable

12.5 Results of PBT and vPvB assessment

not applicable

12.6 Other adverse effects

none known

Section 13: Disposal considerations

13.1 Waste treatment methods

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it used by the customer. The waste code is to be determined within the EU in a liaison with the waste-disposal operator.

For recycling, consult manufacturer. Products can be supplied in paper or plastic sacks; flexible intermediate bulk containers are always made of plastic.

waste no. (recommended): 060316

Contaminated packaging

Uncontaminated packaging may be taken for recycling.

waste no.: 150102

Section 14: Transport information

14.1 UN number

not applicable

14.2 UN proper shipping name

no dangerous goods

14.3 Transport hazard class(es)

not applicable

14.4 Packing group

not applicable

14.5 Environmental hazards

none

14.6 Special precautions for user

see section 6-8

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

Section 15: Regulatory information

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

EEC-Regulations: 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014

Transport-Regulations: ADR (2019); IMDG-Code (2019, 39. Amdt.); IATA-DGR (2019)

National-Regulations: EH40/2005 Workplace exposure limits (second edition, published Dec. 2011)

VOC (2010/75/CE): 0%

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.