1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name: AEROSIL® 200

Company: Evonik Industries AG
Inorganic Materials
Produktsicherheit IM-PT-PS
Postfach 1345
D-63403 Hanau

Telephone: +49 (0)6181 59-4787
Telefax: +49 (0)6181 59-4205
Email address: sds-im@evonik.com
Emergency telephone number: +49 (0)7623-919191

Use of the Substance / Preparation

Sealants
Coloured printing inks
Paints and lacquers
Adhesive
Silicone rubber
Cosmetic ingredient
Cosmetics
Agrochemicals

Function

Anticaking agents
Antiblocking agents
Coating agent
Dispersing agent
Free flow agents
Reinforcing agents
Carrier

REACH Registration No.: if available listed in Chapter. 3

2. HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No. 1272/2008 [CLP]


Classification as per Directive 67/548/EC or Directive 1999/45/EC

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

GHS-Labelling

Remarks: Labelling not required according to EU-CLP Ordinance (1272/2008).

Other Hazards

Not a PBT, vPvB substance as per the criteria of the REACH Ordinance.

3. COMPOSITION/INFORMATION ON INGREDIENTS
4. FIRST AID MEASURES

**Inhalation**
In case product dust is released:
Possible discomfort: cough, sneezing
Move victims into fresh air.

**Skin contact**
Wash off with plenty of water and soap.

**Eye contact**
Possible discomfort is due to foreign substance effect.
Rinse thoroughly with plenty of water keeping eyelid open.
In case of persistent discomfort: Consult an ophthalmologist.

**Ingestion**
Clean mouth with water and drink afterwards plenty of water.
After absorbing large amounts of substance / In case of discomfort: Supply with medical care.

Most important symptoms and effects, both acute and delayed

**Symptoms**
None known

**Hazards**
None known

Indication of any immediate medical attention and special treatment needed
No hazards which require special first aid measures.

5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**
All extinguishing substances suitable.

**Special hazards arising from the substance or mixture**
None known

**Advice for firefighters**
Water used to extinguish fire should not enter drainage systems, soil or stretches of water.
Ensure there are sufficient retaining facilities for water used to extinguish fire.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Use personal protective equipment.

Methods and material for containment and cleaning up
Sweep up or vacuum up spillage and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Handling
Precautions for safe handling
If necessary: Local ventilation.

Advice on protection against fire and explosion
Take precautionary measures against static discharges.

Storage
Conditions for safe storage, including any incompatibilities
Keep in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Personal protective equipment
Respiratory protection
No special protective equipment required.
If dust occurs: Dust mask with P2 particle filter

Hand protection
Wear protective gloves made of the following materials: material, rubber, leather.
The material thickness and rupture time data do not apply to non-solute solids / dusts.

Eye protection
Safety glasses with side-shields
If dust occurs: basket-shaped glasses

Skin and body protection
No special protective equipment required.
preventive skin protection

Hygiene measures
When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work.
To ensure ideal skin protection: use super fatted soaps and skin cream for skin care.
Wash contaminated clothing before re-use.

Protective measures
Handle in accordance with good industrial hygiene and safety practices.
If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.
If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.
9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
- Form: powder
- Colour: white
- Odour: odourless
- Physical state: solid

Information on basic physical and chemical properties
- **pH**: 3.7 - 4.7 (40 g / l) (20 °C) (suspension)
- **Melting point/range**: ca. 1700 °C
- **Boiling point/range**: not applicable
- **Flash point**: not applicable
- **Flammability (solid, gas)**: not applicable
- **Ignition temperature**: not applicable
- **Autoignitability**: not applicable
- **Thermal decomposition**: > 2000 °C
- **Lower explosion limit**: not applicable
- **Upper explosion limit**: not applicable
- **Minimum ignition energy**: not applicable
- **Vapour pressure**: not applicable
- **Density**: ca. 2.2 g/cm³ (20 °C)
- **Tapped density**: ca. 50 g / l
  Method: DIN ISO 787/11
- **Water solubility**: > 1 mg/l
- **Partition coefficient (n-octanol/water)**: not applicable
- **Viscosity, dynamic**: not applicable

10. STABILITY AND REACTIVITY

Hazardous decomposition products: None known

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: LD50 Rat: > 10000 mg/kg
Method: literature
Acute inhalation toxicity
LC0 Rat: 0,139 mg/l / 4 h
Method: literature
(maximum concentration attainable in experiments)
No deaths occurred.

Acute dermal toxicity
LD50 Rabbit: > 5000 mg/kg
Method: literature

Skin irritation
Rabbit / literature
not irritating

Eye irritation
Rabbit / literature
not irritating

Repeated dose toxicity
Oral
no negative effects

inhalative
No Irreversible changes and no indication of silicosis.

Gentoxicity in vitro
no evidence of mutagenic effects
literature

Gentoxicity in vivo
no evidence of mutagenic effects
literature

Carcinogenicity
no negative effects

Toxicity to reproduction
no negative effects

Human experience
Silicosis or other product specific illnesses of the respiratory tract were not observed in association with the product.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects
Toxicity to fish
LC50 (Brachydanio rerio): > 10000 mg/l / 96 h
Method: OECD 203

Toxicity in aquatic invertebrates
EC50 Daphnia magna: > 10000 mg/l / 24 h
Method: OECD 202

Results of PBT assessment
Not a PBT, vPvB substance as per the criteria of the REACH Ordinance.

13. DISPOSAL CONSIDERATIONS

Product
Can be disposed of with domestic refuse in accordance with the necessary technical regulations following consultation with waste disposal expert(s) and the responsible authorities.

Uncleaned packaging
Offer rinsed packaging material to local recycling facilities.
Other countries: observe the national regulations.

Waste Key Number
No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer. The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / producing firm / official authority.

14. TRANSPORT INFORMATION

Transport/further information
Not dangerous according to transport regulations.

15. REGULATORY INFORMATION

National legislation

16. OTHER INFORMATION

Risk phrase (R phrase) texts

Texts of the H-phrases

Further information
Changes since the last version are highlighted in the margin. This version replaces all previous versions. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
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