

## **Kerasorb**

Created on: 29.09.2025  
Revised on:  
Version: I

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

- 1.1 Product Identifier** Diatomaceous earth, granulated, calcined  
Substance name /trade name Kerasorb  
REACH registration no.: exempted according to annex V.7  
synonyms: natural calcined Diatomite, kieselguhr
- 1.2 Relevant identified uses** Absorber
- 1.3 Details of the supplier of the safety data sheet**  
ESV GmbH, Zur oberen Heide, 56865 Blankenrath  
Telefon +49 6545 911986 (during office hours)  
info@oel-kleen.de
- 1.4 Emergency telephone number** 112
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### **Section 2: Hazards Identification**

- 2.1 Classification of the substance or mixture**  
This product does not meet the criteria for classification as hazardous as defined in the regulation EC 1272/2008
- 2.2 Label elements**  
none
- 2.3 Other hazards**  
This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with annex XIII of REACH
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### **Section 3: Composition / Information on Ingredients**

- 3.1 Substances**  
Chemical name: Diatomaceous Earth  
Note  
EC-No.: 293-303-4  
CAS-No.: 91053-39-3
- 3.2 Impurities** none
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### **Section 4: First aid measures**

- 4.1 Description of first aid measures**  
**Inhalation**  
Movement to fresh air is recommended. Blow nose to evacuate dust.  
**Skin contact**  
Wash skin with soap and water. Use special lotion to moisturize skin if dryness occurs

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### **Eye contact**

Rinse with copious quantities of water and seek medical attention if irritation persists.

### **Ingestion**

Drink generous amounts of water to reduce bulk and drying effect.

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

No acute and delayed symptoms and effects are observed

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

No specific actions are required, however movement to fresh air is recommended and blow nose to evacuate dust.

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### **section 5: Fire-fighting measures**

#### **5.1 Extinguishing media**

Suitable: No specific media needed

Unsuitable: No restriction on media to be used

#### **5.2 Special hazards arising from the substance or mixture**

Not flammable, not explosive, does not spontaneously combust

#### **5.3 Advice for fire-fighters**

No specific fire-fighting protection is required

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### **section 6: Accidental release measures**

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

Avoid airborne dust generation. Wear personal protective equipment in compliance with national legislation. Protect eyes with goggles.

#### **6.2 Environmental precautions**

No special requirements

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

Use water spraying or vacuum cleaning systems to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation

#### **6.4 Reference to other sections**

see section 8 and 13

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### **section 7: Handling and Storage**

#### **7.1 Precautions for safe handling**

Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting. If you require advice on safe handling techniques, please contact your supplier.

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**7.2 Conditions for safe storage, including any incompatibilities**

Minimize airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

Store in a dry place to maintain packaging integrity and product quality. Do not store near hydrofluoric acid. Observe all label precautions and warnings.

**7.3 Specific end Uses**

If you require advice on special uses, please contact your supplier.

**section 8: Exposure controls / Personal protection**

**8.1 Control parameters**

Follow workplace regulatory exposure limits for all types of airborne dust. (e.g. total dust, respirable dust) in compliance with applicable national legislation

**Occupational Exposure Limits table**

<u>Countries</u>	<u>Quarz-respirable Fraction (mg/m<sup>3</sup>)</u>
Germany, Poland	0.3
Italy, Portugal	0.025
Ireland	0.05
Bulgaria	0.07
Netherlands	0.075
Belgium, Czech Republic, Denmark, Estonia, France, Greece, Lithuania, Norway, Romania, Slovakia, Spain, Sweden, UK, USA	0.1
Austria, Hungary, Luxembourg, Slovenia, Switzerland	0.15
Finland	0.2

Countries	Law denomination	OEL-name
Germany	Bundesministerium für Arbeit	Maximale Arbeitsplatzkonzentration (MAK)
Austria	Bundesministerium für Arbeit	Maximale Arbeitsplatzkonzentration (MAK)
France	Ministère de l'Industrie (RGIE)	Empoussiérage de référence
	Ministère du Travail	Valeur limite de Moyenne d'Exposition
Italy	Associazione Italiana Degli Igienisti Industriali	Threshold Limit Values (based on ACGIH TLVs)
Netherlands	Ministerie van Sociale Zaken en Werkgelegenheid	Publieke grenswaarden <a href="http://www.ser.nl/en/oel_database.aspx">http://www.ser.nl/en/oel_database.aspx</a>
Sweden	National Board of Occupational Safety and	Yrkeshygieniska Gränsvärden
Switzerland		Suva Suissepro

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### **8.2 Exposure controls**

Minimize airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organizational measures e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

#### **Eye/Face protection**

Wear goggles with side-shields in circumstances where there is a risk of penetrative eye injuries.

#### **Skin protection**

Appropriate protection (e.g. gloves, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin. Wash hands at the end of each working session.

#### **Respiratory protection**

In case of prolonged exposure to airborne dust concentrations, wear respiratory protective equipment that complies with the requirements of European and national legislation.

#### **Environmental Exposure control**

Avoid wind dispersal

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## **section 9: Physical + chemical properties**

### **9.1 Information on basic physical and chemical properties**

Appearance	Granules
Odor	Odorless
pH (10 % suspension)	7
Vapor pressure	not applicable
Vapor density	not applicable
Boiling point	not relevant
Melting point	1400-1450 °C
Flash point	not flammable
Decomposition temperature	>1300 °C
Spec. Gravity/ Rel. Density	2,2 g/cm <sup>3</sup>
Evaporation rate	not applicable
Flammability	not flammable
upper/lower flammability or explosive limits	not explosive
Solubility	not applicable
partition coefficient	
n-octanol/water	not applicable
Auto-ignition temperature	not flammable
Viscosity	not applicable
Explosive properties	not explosive
Oxidizing properties	not applicable

### **9.2 Other information**

no other data

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### **section 10: Stability + Reactivity**

- 10.1 Reactivity**  
not reactive
- 10.2 Chemical Stability**  
chemically stable
- 10.3 Possibility of hazardous reactions**  
No hazardous reactions
- 10.4 Conditions to avoid**  
not relevant
- 10.5 Incompatible Materials**  
Hydrofluoric acid
- 10.6 Hazardous decomposition products**  
no danger of hazardous decomposition
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### **section 11: Toxicological Information**

- 11.1 Information on toxicological effects**
- acute toxicity**  
Based on available data, the classification criteria are not met
- 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 sensitization**  
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
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### **section 12: Ecological information**

- 12.1 Toxicity**  
not relevant
- 12.2 Persistence + degradability**  
not relevant

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- 12.3 Bioaccumulative potential**  
not relevant
  - 12.4 Mobility in soil**  
negligible
  - 12.5 Results of PBT and vPvB assessment**  
not relevant
  - 12.6 Other adverse effects**  
No specific adverse effects known
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**section 13: Disposal considerations**

- 13.1 Waste treatment methods**
    - Waste from Residues / unused products**  
Where possible, recycling is preferable to disposal. May be disposed of in a non-hazardous sanitary landfill when not mixed with hazardous substance. Check with local and government agencies prior to disposal.
    - Packaging**  
Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. Recycling and disposal of packaging should be carried out in compliance with local regulations. The re-use of packaging is not recommended. Repair all broken bags. Recycling and disposal of packaging should be carried out by an authorized waste management company.
    - Sewage**  
No sewage disposal
    - Special precautions**  
Used material has to be disposed in agreement with official waste regulation
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**section 14: Transport information**

- 14.1 UN-Number**  
not relevant
- 14.2 UN proper shipping name**  
Substance is not listed on the Dangerous Goods list
- 14.3 Transport hazard class**

ADR:	not classified
IMDG:	not classified
ICAO/IATA:	not classified
RID:	not classified
- 14.4 Packaging group**  
not relevant
- 14.5 Environmental hazards**  
not relevant
- 14.6 Special precautions for users**  
no

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

Technical name is Diatomaceous Earth

No special transport classification in effect

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**section 15: Regulatory information**

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

no

**15.2 Chemical safety assessment**

Exempted from REACH Registration in accordance with Annex V.7

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**section 16: Other information**

**Indication of the changes made to the previous version of the SDS**

not relevant

**Training**

Workers must be trained in the proper use and handling of this product as required under applicable national regulations.

H-statements	none
P-statements	none
EUH-statements	none

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