



# Safety Data Sheet

in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 830/2015

**IMERYS**

Printing Date 06/09/2019

Version 2019-07-03

ABSODAN Plus

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

### 1.1 Product identifier

Diatomaceous earth (moler) granulated, calcined

### 1.2 Application

Absorbents

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

Imerys Industrial Minerals Denmark A/S

Kønsborgvej 9

DK-7884 Fur

+45 97593222 (during office hours)

sds.dk@imerys.com

### 1.4 Emergency telephone number

112

## 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.

## 3. Composition/information on ingredients

### 3.1 Substances

| Chemical name                | CAS no.    | EC no.    | %   | Note |
|------------------------------|------------|-----------|-----|------|
| Diatomaceous Earth, calcined | 91053-39-3 | 293-303-4 | 100 | None |

## 4. First aid measures

### 4.1 Description of first aid measures

#### Skin

No special first aid measures necessary.

#### Eye/face protection

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

#### Inhalation

Movement of the exposed individual from the area to fresh air is recommended.

#### Ingestion

No first-aid measure required.

### 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.

## 5. Firefighting measures



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**ABSODAN Plus****5.1 Extinguishing media**

Suitable Extinguishing Media: No specific extinguishing media is needed.

Unsuitable Extinguishing Media: No restriction on the extinguishing media to be used.

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

Non combustible. No hazardous thermal decomposition.

**5.3 Advice for firefighters**

No specific fire-fighting protection is required.

**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. See EN 143: 2000.

**6.2 Environmental precautions**

No special requirements.

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

Avoid dry sweeping and 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 sections 8 and 13.

**7. Handling and storage****7.1 Precautions for safe handling**

Protective measures: 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.

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

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

**7.3 Specific end use(s)**

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

**8. Exposure controls/personal protection****8.1 Control parameters**

Follow workplace regulatory exposure limits for all types of airborne dust (below respirable dust).

| Country        | Diatomaceous Earth, calcined (mg/m <sup>3</sup> ) | Adopted by / Law denomination  | OEL name (if specific)                   |
|----------------|---|--|--|
| Austria        |   | Bundesministerium für Arbeit und Soziales  | Maximale Arbeitsplatzkonzentration (MAK) |
| Belgium        | 3   | Ministère de l'Emploi et du Travail  |  |
| Bulgaria       | 1   | Ministry of Labour and Social Policy and Ministry of Health. Ordinance n°13 of 30/12/2003                                  | Limit values                             |
| Cyprus         |   | Department of Labour Inspection. Control of factory atmosphere and dangerous substances in factories, Regulations of 1981. |  |
| Czech Republic | /   | Governmental Directive n°441/2004  |  |
| Denmark        | 1,5   | Direktoratet for Arbejdstilsynet   | Threshold Limit Value (TLV)              |



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|             |     |  |  |
|-------------|-----|--|--|
| Estonia     |     |  |  |
| Finland     | 5   | National Board of Labour Protection  | Occupational Exposure Standard   |
| France      |     | Ministère de l'Industrie (RGIE)  | Empoussiérage de référence   |
|             |     | Ministère du Travail   | Valeur limite de Moyenne d'Exposition  |
| Germany     |     | Bundesministerium für Arbeit   | Maximale ArbeitsplatzKonzentration (MAK)   |
| Greece      |     |  |  |
| Hungary     |     |  |  |
| Ireland     |     | 2002 Code of Practice for the Safety, Health & Welfare at Work (CoP)   |  |
| Italy       |     | Associazione Italiana Degli Igienisti Industriali  | Threshold Limit Values (based on ACGIH TLVs)   |
| Lithuania   |     | Dėl Lietuvos higienos normos HN 23:2001  | Ilgalaikio poveikio ribinė vertė (IPRV)  |
| Luxembourg  |     | Bundesministerium für Arbeit   | Maximale ArbeitsplatzKonzentration (MAK)   |
| Malta       |     | OHSa – LN120 of 2003, www.ohsa.org.mt  | OELVs  |
| Netherlands |     | Ministerie van Sociale Zaken en Werkgelegenheid  | Publieke grenswaarden<br><a href="http://www.ser.nl/en/oel_database.aspx">http://www.ser.nl/en/oel_database.aspx</a> |
| Norway      | 1,5 | Direktoratet for Arbeidstilsynet   | Administrative Normer (8hTWA) for Forurensing i Arbeidsmiljøet   |
| Poland      | 2   |  |  |
| Portugal    |     | Instituto Portuges da Qualidade, Hygiene & Safety at Workplace<br>NP1796:2007  | Valores Limite de Exposição (VLE)  |
| Romania     |     | Government Decision n° 355/2007 regarding workers' health surveillance.<br>Government Decision n° 1093/2006 regarding carcinogenic agents (in Annex 3: Quartz, Cristobalite, Tridymite). | OEL  |
| Slovakia    |     |  |  |
| Slovenia    |     |  |  |
| Spain       |     | Instrucciones de Técnicas Complementarias (ITC)<br>Orden ITC/2585/2007   | Valores Limites  |
| Sweden      |     | National Board of Occupational Safety and Health   | Yrkeshygieniska Gränsvärden  |
| Switzerland |     |  | Valeur limite de Moyenne d'Exposition  |
| UK          | 1,2 | Health & Safety Executive  | Workplace Exposure Limits (WEL)  |

**8.2 Exposure controls**

Minimise 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 organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

**Eye/faceprotection**

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

**Skin protection**

No specific requirement. For hands, see below. Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

**Hand protection**



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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 work session.

#### Respiratory protection

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

#### Environmental exposure controls

Avoid wind dispersal.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |   |
|--|---|
| Appearance                                   | Granules  |
| Odour  | Odourless   |
| Odour threshold                              | Not applicable                                      |
| pH (10% aqueous suspension)                  | 5,5   |
| Melting point/freezing point                 | > 1360°C  |
| Initial boiling point and boiling range      | Not relevant  |
| Flash point                                  | Not applicable. Solid with a melting point > 1360°C |
| Evaporation rate                             | Not applicable. Solid with a melting point > 1360°C |
| Flammability                                 | Non flammable (not combustible)                     |
| Upper/lower flammability or explosive limits | Non explosive                                       |
| Vapour pressure                              | Not applicable. Solid with a melting point > 1360°C |
| Vapour density                               | Not applicable                                      |
| Relative density                             | 2,3 g/cm <sup>3</sup>                               |
| Solubility(ies)                              | Negligible  |
| Partition coefficient: n-octanol/water       | Not applicable (inorganic substance)                |
| Auto-ignition temperature                    | Non flammable                                       |
| Decomposition temperature                    | Not relevant  |
| Viscosity                                    | Not relevant  |
| Explosive properties                         | Not applicable. Solid with a melting point > 1360°C |
| Oxidising properties                         | Not applicable                                      |
| 9.2 Other information                        | No other information                                |

## 10. Stability and reactivity

### 10.1 Reactivity

Inert, 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.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity



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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 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.

#### **Information on likely routes of exposure**

Based on available data, the classification criteria are not met.

#### **Symptoms related to the physical, chemical and toxicological characteristics**

Based on available data, the classification criteria are not met.

#### **Delayed and immediate effects**

Based on available data, the classification criteria are not met.

#### **Interactive effects**

Based on available data, the classification criteria are not met.

#### **Absence of specific data**

None.

#### **Mixture versus substance information**

Based on available data, the classification criteria are not met.

#### **Other information**

None.

## 12. Ecological information

### 12.1 Toxicity

Not relevant

### 12.2 Persistence and degradability

Not relevant

### 12.3 Bioaccumulative potential

Negligible

### 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.

## 13. Disposal considerations

### 13.1 Methods of waste treatment / disposal

Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local



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regulations.

#### 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. \* Recycling and disposal of packaging should be carried out by an authorised waste management company.

#### Sewage disposal

Sewage disposal shall be discouraged

#### Special precautions

Disposal should be carried out in agreement with regional waste regulation. If the granulates had been used for absorption then disposal must be in according to the regulations in force for disposal of the absorbed fluid.

## 14. Transport information

### 14.1 UN number

Not relevant

### 14.2 UN proper shipping name

The substance is not listed on the Dangerous Goods list.

### 14.3 Transport hazard class(es)

ADR: Not classified

IMDG: Not classified

ICAO / IATA: Not classified

RID: Not classified

### 14.4 Packing group

Not applicable

### 14.5 Environmental hazards

Not relevant

### 14.6 Special precautions for user

No special precautions.

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Technical name is Diatomaceous Earth. No special transport classification in effect.

## 15. Regulatory information

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

None

### 15.2 Chemical safety assessment

Exempted from REACH Registration in accordance with Annex V.7.

## 16. Other information

### For information

Data are based on our latest knowledge but do not constitute a guarantee for any specific product features and do not establish a legally valid contractual relationship.

### Revision

Most of the 16 Sections have been updated and formatted according to the revised ECHA Guidance on the compilation of safety data sheets (version 3 of February 2015). Therefore, this SDS has been completely redrafted and replaced the former SDS (version 2016-04-20) supplied.

### Abbreviations

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None

**Key literature references and sources for data**

None

**Education**

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

**H-Statements**

None

**P-phrases**

None

**EUH Statements**

None

**END OF THE SAFETY DATA SHEET**