



Material Safety Data Sheet

According to Regulation (EC) 1907/2006 and Regulation (EC) 453/2010

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

1.1. Product identifier

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|--|----------------------------|
| Identification of the substance/mixture: | ABSODAN ABSORBENT GRANULES |
| CAS Number: | G65982 |
| EC number: | 297-648-1 |
| REACH Registration number: | Pre-registered |

1.2. Relevant identified uses of the substance or mixture and uses advised against

This material should only be used for industrial purposes.
Absorbent

1.3. Details of the supplier of the safety data sheet

| | |
|------------------------|--|
| Manufacturer/Supplier: | Force Products Ltd |
| Address: | Stock House, Seymour Road Nuneaton, Warwickshire, CV11 4LB |
| Telephone: | 02476 322130 |
| Fax: | 02476 322151 |
| E-mail: | sales@forceproducts.co.uk |

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to directives 67/548/EEC and 1999/45/EC

Substance/mixture is not classified as dangerous according to Directive 67/548/EEC and 1999/45/EC

Classification according to Regulation (EC) 1272/2008

Substance/mixture is not classified as hazardous according to Regulation (EC) 1272/2008

2.2. Label Elements

Labelling according to directives 67/548/EEC and 1999/45/EC

Substance/mixture is not classified as dangerous according to Directive 67/548/EEC and 1999/45/EC

Labelling according to Regulation (EC) 1272/2008

Substance/mixture is not classified as hazardous according to Regulation (EC) 1272/2008

2.3. Other hazards

This product may generate dust during handling and use. This product may contain quartz (crystalline silica). Long term overexposure to crystalline silica dust may cause silicosis.

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SECTION 3: Composition/information on ingredients

3.1. Substance/preparation

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This product may contain crystalline silica in quantity up to 3%.

Alganite is not listed as dangerous substance in the Annex I of Directive 67/548/EEC as amended, not listed in Annex VI of Regulation (EC) 1272/2008.

SECTION 4: First aid measures

4.1. Description of necessary first aid measures

In case of inhalation :

Allow resting in a well-ventilated area if high concentration is inhaled and mechanical irritation or discomfort occurs. Seek medical attention if irritation persists.

In case of contact with skin :

Wash with mild soap and water and rinse with plenty of water.

IF IN EYES:

Rinse with plenty of water. Seek medical advice if irritation persists..

In case of ingestion:

Symptomatic treatment and seek medical advice in case of prolonged discomfort.

Individual protection of the person providing first aid :

No information available.

4.2. Most important symptoms and effects, both acute and delayed

Most important symptoms and effects, both acute and delayed : Mechanical Irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed : No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing Media

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Unsuitable extinguishing media: For safety reasons do not use full water jet.

5.2. Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture: None special

5.3. Advice for firefighters

Protective equipment and actions: No special requirements.
Do not allow spillage of fire will be poured into drains or watercourses.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Avoid dust formation
Avoid breathing dust and contact with eyes
Use respiratory protection if high dust conditions, chemical resistant gloves and safety glasses

For emergency responders:

None special

6.2. Environmental precautions

Environmental precautions:

Do not discharge into any drains, surface waters or groundwaters.

6.3. Methods and material for containment and cleaning up

Methods and material for containment and cleaning up:

Scoop up or vacuum soil spillages, if appropriated, use gentle water spray to wet down
Ventilate area and wash spill site after material pickup is complete.
Place in a closed container prior to disposal. Dispose of in accordance with current laws and regulations.

6.4. Reference to other sections

Reference to other sections :

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Recommendations:

Avoid contact with the eyes, skin and clothing. Wear protective clothing and use glasses.

Advice on general occupational hygiene:

Provide suitable air extraction ventilation in the work areas.
Observe the rules of hygiene and safety at work.

Other information:

Keep only in the original container.

7.2. Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities:

Store in dry area
Keep away from incompatible materials (see section of incompatibility).
Do not store this material near food or drinking water.
To be stored in tightly sealed and preferably full containers in cool, dry and ventilated area.

7.3. Specific end use(s)

Specific end use(s):

None.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

This product has no specific Occupational Exposure Limit (OEL).
Respect regulatory provisions for dust (inhalable and respirable)

8.2. Exposure controls

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|---|---|
| Appropriate engineering controls : | General ventilation. Local exhaust ventilation is recommended to keep airborne dust levels below exposure limits |
| Individual protection measures, such as personal protective equipment : | |
| Eye/face protection: | Chemical safety goggles are recommended. Wash contaminated goggles before reuse. |
| Skin protection : | Light protective clothing recommended. Wash contaminated clothing before reuse. Avoid inhalation and contact with skin and eyes. |
| Hand protection: | Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse. |
| Other: | Measures should be taken to prevent materials from being splashed into the eyes or on the skin. Wear eyeslids and protective clothing. |
| Respiratory protection: | Use air-purifying dust respirator if airborne dust concentration is above exposure limits. In the case of brief exposure, use a device filter. |
| Thermal hazards : | No information available. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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|--|---------------------------|
| Appearance: | Cream to grey granules |
| Odour: | Odourless |
| pH : | 10-12 |
| Melting point: | 1200°C |
| Boiling Point : | No information available. |
| Flash Point: | No information available. |
| Evaporation Rate : | No information available. |
| Flammability (solid, gas) : | No information available. |
| Upper/lower flammability or explosive limits : | No information available |
| Lower and upper explosive (flammable) limits : | No information available |
| Vapor pressure at 20°C : | No information available. |
| Vapor density : | No information available. |
| Relative density: | ~2 |
| Solubility(ies) : | Insoluble in water |
| Partition coefficient: n-octanol/water : | No information available. |
| Auto-ignition temperature : | No information available. |
| Decomposition temperature : | No information available. |
| Viscosity : | No information available. |

9.2. Other information

| | |
|---------------------|---------------------------|
| Other information : | No information available. |
|---------------------|---------------------------|

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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity : None hazardous reactions are expected

10.2. Chemical stability

Chemical stability : This product is stable in normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions : None hazardous reactions are expected

10.4. Conditions to Avoid

Conditions to Avoid: No special requirements.

10.5. Incompatible materials

Incompatible materials: None known

10.6. Hazardous decomposition products

Hazardous decomposition products: No hazardous decomposition or by-products are expected but one of their natural components may generate CO₂ by reaction with acids or by thermal decomposition.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on toxicological acute effects : May cause eye irritation if exposed to large amounts of dust
Skin irritation may result from physical contact
Inhalation of high concentrations may cause irritation

Information on toxicological chronic effects : This product may contain quartz (crystalline silica). In 1997, IARC concluded that the respirable fraction of crystalline silica inhaled from occupational sources can cause lung cancer in humans. However, it pointed out that not all industrial circumstances, nor all crystalline silica types, were to be incriminated (IARC Monographs, Vol 68)

In June 2003, the EU Scientific Committee on Occupational Exposure Limits (SCOEL) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis. Therefore preventing the onset of silicosis will also reduce the cancer risk...". (SCOEL SUM Doc 94-final, July 2003)

Other relevant information : No mutagenic, teratogenic or developmental toxicity effects are known

There is body of evidence supporting the fact that increased cancer risk would be limited to people already suffering from silicosis. According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits.

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SECTION 12: Ecological information

12.1. Toxicity

Toxicity : No specific adverse effects are known

12.2. Persistence and degradability

Persistence and degradability : Not biodegradable

12.3. Bioaccumulative potential

Bioaccumulative potential : Not bioaccumulative

12.4. Soil mobility

Soil mobility : No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : No information available.

12.6. Other adverse effects

Other adverse effects: See also Sections 6, 7, 13 and 15
Avoid contamination of soil, groundwater and surface water.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment containers : Dispose in a safe manner in accordance with local/national regulations.

Appropriate methods of waste treatment of both substance or mixtures : Dispose in a safe manner in accordance with local/national regulations

Appropriate methods of waste treatment of contaminated packaging : Dispose in a safe manner in accordance with local/national regulations.

Wastewater discharge : No information available.

Community/national/regional provisions relating to waste : No information available.

SECTION 14: Transport information

14.1. Land Transport (ADR/RID)

Substance/mixture is not classified as hazardous for transport

14.2. Sea Transport (IMDG)

Substance/mixture is not classified as hazardous for transport

14.3. Air Transport (IATA)

Substance/mixture is not classified as hazardous for transport

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SECTION 15: Regulatory information

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

Other : No information available.

Authorisations : No information available.

Usage: : No information available.

15.2. Chemical Safety Assessment

Chemical Safety Assessment : No information available.

SECTION 16: Other information

Substance/mixture is not classified as dangerous according to Directive 67/548/EEC and 1999/45/EC

Substance/mixture is not classified as hazardous according to Regulation (EC) 1272/2008

Reason for revision: Adaptation to CLP Regulation

The information in this Material Safety Data Sheet should be provided to all who will use, handle, storage, transport or otherwise be exposed to these products. This information has been prepared for the guidance of plant engineering, operations, management and for people working with or handling these products. This information is believed to be reliable and updated at Revision Date, and represents the best information currently available and known by TOLSA. However, TOLSA makes no guarantee or warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information related herein is based in proper handling and anticipated uses and is for the material without chemical additions/alterations Users should make their own investigations to determinate the suitability of the information for their particular purposes.