

VISCOGEL[®] B4

This Safety Data Sheet complies with Directive 91/155/EC modified by 2001/58/EC..

Section 1 - Identification of the Substance.**Product Name:**

VISCOGEL B4

Chemical Name:

Ditallowdimethylammonium Salts with Bentonite

Section 1 - Company Identification:**Contact:**

BENTEC S.p.a.
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Ditallowdimethylammonium
Salts with Bentonite

CAS No: 68953-58-2
EINECS 273-219-4

Total crystalline silica as quartz <1.0% w/w
(Respirable Quartz <1.0% w/w)

CAS No: 14808-60-7
EINECS 238-878-4

Section 3 - Hazards Identification:**Skin Contact:**

Product may cause skin dryness

Eye Contact:

Product may cause soreness of the eyes due to dust particles

Inhalation:

Mucus membranes may be affected

Ingestion:

May cause gastric irritation in some individuals

CHIP/RISK/SAFETY Classification

SAFETY PHRASES S22-51

RISK PHRASES

Do not breathe dust and use only in well ventilated areas

None



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Section 4 - First Aid Measures:

Skin Contact:

Remove from skin using plenty of water and soap.

Eye Contact:

Irrigate with water or eyewash until irritation has ceased. If irritation or pain persists seek medical attention.

Inhalation:

Remove person to fresh air.
Seek medical attention if shortness of breath or irritation persists.

Ingestion:

If large amounts are ingested seek medical attention

Section 5 - Fire-Fighting Measures:

The use of water mist, foam, carbon dioxide or dry chemical extinguishers is recommended.
Atmospheric dusts of greater than 60g/m^3 may ignite at 370°C .
On combustion, nitrogen oxides and carbon monoxide may be released
Product can cause slipping when wet.

Section 6 - Accidental Release Measures:

Wear recommended protective clothing (see Section 8)
For large spills wet with water to reduce dusting and sweep up and dispose off in accordance with Local Regulations.
Product is slippery when wet and may cause a secondary hazard..
If vacuum system is used the system must be explosion protected. All sources of ignition and static electricity must be removed or grounding precautions taken if large amounts of airborne dust are present.

Section 7 - Handling and Storage:

Handling:

Product should only be handled in well-ventilated areas using methods that minimise dust generation. Dust should not be allowed to accumulate on surfaces to avoid explosion hazards.
Ground equipment in order to prevent any electrical/static discharges.
Adequate ventilation must be provided at the usage site. Recommended dust masks/respirators must be used when dust levels are above the Occupational Exposure Limit (see Section 8).

Storage:

Pallets should be stored in dry conditioned protected from all adverse weather conditions. Product should not be stored in areas that have materials that maybe affected by dusts. Avoid ignition, all heat sources and open fires.



Section 8 - Exposure Controls/Personal Protection

Hand Protection:
Use PVC or rubber gloves

Skin Protection:
Normal workwear

Eye Protection:
Use safety glasses or chemical goggles to prevent particles entering the eye

Respiratory Protection:
Air purifying respirator required if dust levels exceed the Occupational Exposure Limit.

Occupational Exposure Limit:

The OEL defined for this product is for dust with an 8 hr TWA for Total inhalable dust of 10 mg/m³ and 5 mg/m³ for respirable dust. The product contains quartz and in the UK is subject to a mandatory maximum exposure limit of 0.3 mg/m³ respirable quartz on 8 hour time weighted average. Dust extraction systems should operate if these limits are exceeded..

Section 9 - Physical and Chemical Properties:

Appearance:
Pale cream powder

Odour:
Odourless

pH:
N/A

Vapour Pressure:
N/A

Boiling Point:
N/A

Melting Point:
Decomposes at approx 200°C

Flash Point:
N/A

Specific Gravity:
0.45 – 0.55 g/ml

Flammability:
Dust clouds containing more than 50g/m³ may ignite at 370°C

Explosive Properties:
Lower explosives limit in air 60g/m³

Oxidising Properties:
None

Solubility:
Insoluble in water.

Section 10 - Stability and Reactivity:

Conditions to Avoid:
Material is stable under normal temperatures.

Materials to Avoid:
Do not store near or allow contact with oxidising materials or materials such as peroxides that can be decomposed by dusts.

Hazardous Decomposition Products:
Nitrogen and carbon oxides may be released on combustion.

Section 11 - Toxicology Information:

Ingestion: Material is orally non toxic. LC₅₀ rat >5000 mg/kg
Eye Contact: Moderately Irritant.
Skin Contact: Possible drying of skin.
Inhalation: LC 50 on rats for inhalation - >200mg/l

Silicosis may be caused by quartz exposure over time if the MEL is exceeded (see Section 16).
 Fibrosis of the lungs may be contracted if the OEL for dust is exceeded for long periods of time.



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Section 12 - Ecological Information:

Product is based on a natural material. No ecotoxicity data is available.

Section 13 - Disposal Considerations:

Waste and unused materials should be disposed of in accordance with Local and National regulations.

Section 14 - Transport Information:**UN Number/Description**

This material is not considered to be dangerous under current UN/EEC directives.

Section 15 - Regulatory Information

15.1 Product does not need any warning labels or symbols under current EEC directives.

15.2 Required label information:

S22-51 Do not breathe dust and use only in well ventilated areas.

15.3 Control of Substances Hazardous to Health (COSHH) Regulations 1988.

Personnel handling this material in the U.K. must be made aware of the requirements of this regulation.

Section 16 - Other Information:

HSE Toxicity review No 15 1984 - Crystalline silica

EH 64, HSE - Occupational Exposure Limits, Criteria Document Summaries

HSE Approved Codes of Practice EH40 E42

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