

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Substance
Substance name : PUDLO MEMBRANE GRANULES

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Main use category : Industrial use, Professional use
Use of the substance/mixture : Adhesives, Sealants

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

David Ball Group Ltd
Wellington Way, Bourn Airfield,
CB23 2TQ Cambridge - United Kingdom
T +44(0)1954 780687 - F +44(0)1954 782912
sales@davidballgroup.com - www.davidballgroup.com

1.4. Emergency telephone number

Emergency number : +44(0)1954 780687
Office hours only.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P103 - Read label before use

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substances**

Name : PUDLO MEMBRANE GRANULES

Name	Product identifier	%
Bentonite	(CAS-No.) 1302-78-9 (EC-No.) 215-108-5	100
Quartz	(CAS-No.) 14808-60-7 (EC-No.) 238-878-4	< 10
Cristobalite	(CAS-No.) 14464-46-1 (EC-No.) 238-455-4	< 10
SMECTITE GROUP MINERALS	(CAS-No.) 1318-93-0 (EC-No.) 215-288-5	
Calcium carbonate	(CAS-No.) 471-34-1 (EC-No.) 207-439-9 (REACH-no) 01-2119486795-18	

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

PUDLO MEMBRANE GRANULES

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Treat symptomatically.
- First-aid measures after inhalation : If experiencing respiratory symptoms: Call a poison center or a doctor. Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash with plenty of soap and water.
- First-aid measures after eye contact : Direct contact with the eyes is likely to be irritating. Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth out with water. Get medical advice/attention if you feel unwell.

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

- Symptoms/effects : Direct contact with the eyes is likely to be irritating.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : No fire hazard.
- Explosion hazard : Product is not explosive.

5.3. Advice for firefighters

- Precautionary measures fire : May be dangerously slippery if spilled.
- Firefighting instructions : Cool closed containers exposed to fire with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Evacuate unnecessary personnel. Do not touch or walk through spilled material. Spills produce extremely slippery surfaces. Dust mask.

6.1.1. For non-emergency personnel

- Protective equipment : Dust mask.
- Emergency procedures : Evacuate area.

6.1.2. For emergency responders

- Protective equipment : Evacuate personnel to a safe area. Do not touch or walk on the spilled product.

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Do not use any water to clean up. Avoid formation of dust. On land, sweep or shovel into suitable containers.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid dust formation. Provide adequate ventilation to minimize dust and/or vapour concentrations. In case of insufficient ventilation, wear suitable respiratory equipment.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Quartz (14808-60-7)		
EU	Local name	Silica crystalline (Quartz)
EU	Notes	SCOEL Recommendations (2003)

PUDLO MEMBRANE GRANULES

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Quartz (14808-60-7)		
EU	Regulatory reference	SCOEL Recommendations
United Kingdom	Local name	Silica
United Kingdom	WEL TWA (mg/m ³)	0.1 mg/m ³
United Kingdom	Regulatory reference	EH40. HSE
Cristobalite (14464-46-1)		
EU	Local name	Silica crystalline (Cristobalite)
EU	Notes	SCOEL Recommendations (2003)

8.2. Exposure controls

Eye protection:

Chemical goggles or safety glasses

Type	Use	Characteristics	Standard
Safety glasses with side shields, Safety goggles	Dust		EN 166

Respiratory protection:

Wear appropriate mask

Device	Filter type	Condition	Standard
Dust mask	Particle filter	Dust protection	EN 13274



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Various.
Odour	: odourless.
Odour threshold	: No data available
pH	: 8.5 - 11
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 450 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: > 500 °C
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 2.6 g/cm ³
Solubility	: Water: < 0.9 mg/l
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

Bulk density	: 0.9 - 1.4 g/m ³
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PUDLO MEMBRANE GRANULES

Safety Data Sheet

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Moisture.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Bentonite (1302-78-9)

LD50 oral rat	> 2000 mg/kg
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LC50 inhalation rat (mg/l)	5.27 mg/l/4h
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Calcium carbonate (471-34-1)

LD50 oral	> 2000 mg/kg bodyweight
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LD50 dermal	> 2000 mg/kg bodyweight
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LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 3000 mg/l
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Quartz (14808-60-7)

LD50 oral rat	500 mg/kg
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Skin corrosion/irritation : Not classified
pH: 8.5 - 11

Serious eye damage/irritation : Not classified
pH: 8.5 - 11

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

Bentonite (1302-78-9)

LC50 fish 1	19000 mg/l
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Calcium carbonate (471-34-1)

LC50 fish 1	> 100 mg/l
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EC50 other aquatic organisms 1	> 100 mg/l waterflea
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12.2. Persistence and degradability

No additional information available

PUDLO MEMBRANE GRANULES

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

12.3. Bioaccumulative potential

Bentonite (1302-78-9)

Log Pow	1.28
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Calcium carbonate (471-34-1)

Log Pow	-2.12
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : This material and its container must be disposed of as hazardous waste.

Product/Packaging disposal recommendations : Beware of residues or vapours which remain in the drums.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

PUDLO MEMBRANE GRANULES is not on the REACH Candidate List

PUDLO MEMBRANE GRANULES is not on the REACH Annex XIV List

15.1.2. National regulations

No additional information available

PUDLO MEMBRANE GRANULES

Safety Data Sheet

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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
H372	Causes damage to organs through prolonged or repeated exposure

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product