

MATERIAL SAFETY DATA SHEET

PRODUCT: SILICON DIOXIDE (SILICA) PELLETS

1. PRODUCT AND COMPANY IDENTIFICATION

Commercial Product Name

Mesoporous silicate / Bentonite Clay Pellet

Synonyms

SILICA PELLETT

Company Identification

Glantreo Ltd

ERI Building

Lee Road

Cork City

IRELAND

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F; +353 21 4901932

E; info@glantreo.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

Consists of SILICA (powder) & BENTONITE CLAY

Chemical name : SILICA/BENTONITE

- Classification : Xi, R36
- CAS No. : 7631-86-9 & 139264-88-3
- Reach No. : 01-2119379499-16-0036
- Weight : >99%
- Form : Powder
- Colour : White
- Odour : Odourless

Hazards Identification : Irritating to eyes.

3. HAZARDS IDENTIFICATION

Generally not hazardous in normal handling.

4. FIRST AID MEASURES

Inhalation

Remove to fresh air. Get medical attention for any breathing difficulty.

Skin contact

Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

Eye Contact

Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Get prompt medical attention.

Ingestion

Drink lots of water. If large amounts were swallowed, get medical attention.

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5. FIRE-FIGHTING MEASURES

Fire and Explosion Hazard

Negligible fire and explosion hazard

Suitable Extinguishing Media

Any means suitable for extinguishing surrounding fire.

Specific hazards

Not applicable.

Special Protective Equipment for Firefighter

Wear appropriate clothing to prevent skin exposure.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with skin and eyes.

Environmental Precautions

No special environmental precautions required.

Methods for Cleaning up

Shovel or sweep up. Shovel into suitable container for disposal. Avoid dust forming.

Avoid spillage from

entering drains or water courses. Dispose of as normal trade waste in compliance with local and national regulations.

7. HANDLING AND STORAGE

Handling

Safe handling advice

Avoid contact with skin and eyes. Avoid the formation of dust. Do not breathe dust. Ensure adequate ventilation.

Storage

Technical measures / Storage conditions

Keep container tightly closed (hygroscopic).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure limit(s)

Not available.

Personal Protection Equipment

Hygiene measures

Avoid contact with skin and eyes. Avoid dust formation.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : powder packed in Nalgene bottles
- Colour : White
- Odour : None
- pH : 3 - 8.5
- Boiling point/range : 2230 °C
- Melting point/range : 1610 °C
- Decomposition Temperature : >1600 °C
- Flash Point : Not applicable
- Flammability (solid, gas) : Not applicable
- Auto Ignition Temperature : Not applicable
- Explosive Properties : Not applicable
- Explosion Limits - lower : Not applicable

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- upper : Not applicable
 - Vapour Pressure : Negligible
 - Relative Density : Not applicable
 - Water Solubility : Negligible
 - Fat solubility : No data available
- Physical Appearance : White powder

10. STABILITY AND REACTIVITY

Conditions to avoid

Keep containers dry and tightly closed to avoid moisture absorption and contamination (hygroscopic).

Materials to avoid

B2O3 + CaO ; BrF3

Hazardous decomposition products

Not applicable

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PRODUCT : Stopak Silica Gel Rev 1

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : None

Local Effects : Skin irritation, eye irritation.

Sensitization : No data available

Chronic Toxicity : None

Human Experience : Skin irritation, eye irritation.

12. ECOLOGICAL INFORMATION

Persistence / Degradability : Stable

Bioaccumulation : No data available

Mobility : No data available

Ecotoxicity

- LC50/96h/Gambusia affinis : 13 400 mg/l
- LC50/96h/Lepomis macrochirus : 10650 mg/l
- LC50/96h/Daphnia : 649 mg/l
- LC50/96h/Nitocra spinipes : 1600 mg/l
- LC50/120h/Nitzschia linearis : 3130 mg/l

13. DISPOSAL CONSIDERATIONS

Contaminated Packaging

In accordance with local and national regulations.

Waste from residues / unused products

In accordance with local and national regulations.

14. TRANSPORT INFORMATION

UN – No : Not regulated

Packing Group : Not regulated

ADR / RID : Not regulated

IMO : Not regulated

ICAO : Not regulated

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15. REGULATORY INFORMATION

The product is classified and labeled in accordance with EU directives:

- Xi : Irritant
- Content : Silicon dioxide
- R -phrase(s) : R36 – Irritant to eyes
- S -phrase(s) : S22 – Do not breathe dust.
S24 – Avoid contact with skin.

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification, since the conditions of the operations mentioned are beyond our control. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

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