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SAFETY DATA SHEET: SODIUM BENTONITE PELLETS

1. IDENTIFICATION OF THE SUBSTANCE/ COMPANY

1.1. Product identifier

Product name: Sodium Bentonite Pellets

1.2. Details of the supplier

Company: OMV (Pty) Ltd
Industrial minerals
108 Pebble lane,
Clayville ext. 14,
Olifantsfontein
South Africa
Telephone: +27 11 316 4390
Website: www.omv.co.za

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Products are not classified as a hazardous substance.

2.2. Other Hazards

Dust from these products may cause irritation of the respiratory system, eyes and skin

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Bentonite is a natural material that consists of a variation of minerals including, but not limited to, smectites group minerals, quartz and calcite.

Ingredient	CAS Number	Chemical Formula	Concentration
Smectite group minerals	1318-93-0	$(\text{Na,Ca})_{0.3}(\text{Al,Mg})_2\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$	>50 %
Calcite	471-34-1	CaCO_3	<10 %
Quartz	148-60-7	SiO_2	<10 %

The product contains other constituents (e.g. feldspar and kaolinite) in small amounts and these minor constituents are not relevant for classification and labelling.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Avoid breathing dust. Move to a dust- free air zone. Seek medical attention in the case of development of respiratory distress.

Skin contact: Wash hands thoroughly after handling. Seek medical attention should skin irritation occur.

Eye contact: If in eyes, rinse cautiously with water. If eye irritation persists, get medical advice.

Ingestion: If swallowed, rinse mouth with water. Seek medical attention should large quantities be ingested.

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

The acute symptoms would cause eye irritation due to dust entry. No delayed side effects are anticipated if first aid treatment is applied and is effective

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

No need for immediate medical attention; follow the advice given in section 4.

5. FIRE FIGHTING MEASURES

5.1. Explosion data

Not explosive.

5.2. Extinguishing media

Product is not flammable. In the case of a surrounding fire, a water or CO2 fire extinguisher should be used. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.3. Flammability

Product is neither flammable nor combustible.

5.4. Flash point

Not applicable.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Do not eat, drink or smoke when using this product. Wear eye protection when using products. In case of inadequate ventilation wear respiratory protection

6.2. Environmental precautions

Prevent product from entering drains. Product is very slippery in wet conditions.

6.3. Methods and material for containment and cleaning up

Collect spillage in suitable container for disposal. Dispose of container according to local regulations

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Wash hands thoroughly after handling products. The material is very slippery when wet.
Use only outdoors or in a well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Store in a dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Maintain personal exposure below occupational exposure limit for inhalable and respirable dust as dictated national legislation.

8.2. Exposure controls

Ensure adequate ventilation, especially in confined areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<u>Property</u>	<u>Value</u>
Colour	: Brown
pH (5 % in H ₂ O)	: 9 – 10.5
Bulk density	: 1.0 – 1.15 g/cm ³
Moisture (dried at 120°C)	: <12%
Pellet size	: 6-8 mm

10. STABILITY AND REACTIVITY

Hazardous reactions	: None under normal conditions of use
Stability	: Stable
Conditions to avoid	: None
Hazardous decomposition products	: No hazardous by products.

11. TOXICOLOGICAL INFORMATION

Products are non-Toxic

Products are not Mutagenic or Carcinogenic.

Products are not toxic to the Reproductive cycle.

May cause irritation to eyes and respiratory system, with no known long-term effects.

12. ECOLOGICAL INFORMATION

No data available

Revision: 1

Date of revision: March 2026

13. DISPOSAL CONSIDERATIONS

13.1. Disposal methods

Follow local regulations for solid waste.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport.
Spillages causes slippery conditions when wet.

15. REGULATORY INFORMATION

Observe waste disposal and control of substances hazardous to health regulations.

16. OTHER INFORMATION

Use and handle in accordance with supplier recommendations