



SAFETY DATA SHEET: CYCLONE UNDERFLOW GYPSUM

1. IDENTIFICATION OF THE SUBSTANCE/ COMPANY

1.1. Product identifier

Product name: **CYCLONE UNDERFLOW** Calcium Sulphate Dihydrate

1.2. Details of the supplier

Company: OMV Gypsum Potchefstroom
P.O. Box 823
Stilfontein, South Africa
Telephone: +27 18 296 0380
Website: www.omv.co.za

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Product is not classified as hazardous substances under GHS EC regulation 1272, SANS 10228, SANS 10234

2.2. Other Hazards

H335: Dust from the product may irritate the respiratory system, eyes, and skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Formula: $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
C.A.S No 10101-41-1

4. FIRST AID MEASURES

4.1. Description of first aid measures

INHALATION: P264: Avoid breathing dust
P304 & P330: Move to fresh air and keep comfortable.

SKIN CONTACT: P264: Wash hands thoroughly after handling

EYE CONTACT: P305 & P313: If in eyes, get medical advice
P337 & P351: If eye irritation persists, rinse cautiously with water

INGESTION: P301 & P330: If swallowed, rinse mouth with water

GENERAL: P312: Get medical attention if any symptoms persist

5. FIRE FIGHTING MEASURES

The products do not pose a fire hazard: In case of fire use suitable extinguishing media, water, CO₂, foam or dry powder.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- P261: Avoid breathing dust
- P262: Do not get in eyes
- P270: Do not eat, drink or smoke when using products
- P280: Wear eye protection when using products
- P284: In case of inadequate ventilation wear respiratory protection

6.2. Environmental precautions

- P273: Avoid release to the environment prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

- P391: Collect spillage in suitable container for disposal.
- P501: Dispose of container according to local regulations

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

- P264: Wash hands thoroughly after handling products
- P271: Use only outdoors or in a well ventilated area

7.2. Conditions for safe storage, including any incompatibilities

- P402: Store in a dry place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Recommended Exposure Limits

- | | |
|-------------------------|--------------------------------|
| Total dust: | ACGIH TLV 10 mg/m ³ |
| Total air contaminants: | OSHA TWA 15 mg/m ³ |
| Respirable fraction: | OSHA TWA 5 mg/m ³ |

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

Physical state	Powder (Solid)
Appearance	White or off white
Odour	None
Vapor pressure, mmHg	N/A
Density	Approx. 1.185 g/cm ³
pH	> 4
Free moisture	< 1%
Flashpoint	Non-flammable
Solubility in Water	Negligible
Evaporation	N/A

10. STABILITY AND REACTIVITY

Hazardous reactions: None under normal conditions of use

Stability: Product stable under recommended handling and storage conditions

Conditions to avoid: Temperatures above 90°C

Incompatible materials: Gypsum is incompatible with acids. Gypsum contains silicates which may react with powerful oxidizers such as fluorine, boron trifluoride, chlorine.

Hazardous decomposition products: Sulphur oxides, Calcium oxides

11. TOXICOLOGICAL INFORMATION

Product is Non Toxic

Product is not Mutagenic or Carcinogenic

Product is not toxic to the Reproductive cycle

May cause irritation to eyes and respiratory system, with no known long term effect

12. ECOLOGICAL INFORMATION

Not Listed

13. DISPOSAL CONSIDERATIONS

Do not dispose of in drains or waterways

Do not dispose of together with municipal waste

P501: Dispose at an authorized landfill site according to regulations

14. TRANSPORT INFORMATION

Not classified as hazardous for transport

Spillages cause slippery conditions when wet



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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