



Date: 12 May 2019

Revision 2

## SAFETY DATA SHEET: GYPSUM BASED PLASTERS

### 1. IDENTIFICATION OF THE SUBSTANCE/ COMPANY

#### 1.1. Product identifier

Product names: **META POP:** Calcium sulphate hemihydrate  
**METACOTE:** Formulated Calcium sulphate hemihydrate plaster

Synonyms: Plaster of Paris, Stucco, Finishing plaster, moulding plaster

#### 1.2. Details of the supplier

Company: Metadynamics Pty Ltd  
 108 Pebble lane, Clayville ext. 14, Olifantsfontein  
 South Africa  
 Telephone: +27 11 316 4390  
 Website: [www.metadynamics.co.za](http://www.metadynamics.co.za)

### 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Products are not classified as hazardous substances under GHS EC regulation 1272, SANS 10228, SANS 10234

#### 2.2. Other Hazards

H335: Dust from these products may cause irritation of the respiratory system, eyes and skin

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product	Formula	Composition	CAS No	EC No
METAPOP	CaSO <sub>4</sub> 0.5H <sub>2</sub> O	>90%	10034-76-1	231-900-3
	CaSO <sub>4</sub> 2H <sub>2</sub> O	<10%	10101-41-4	231-900-3
METACOTE	CaSO <sub>4</sub> 0.5H <sub>2</sub> O	>90%	10034-76-1	231-900-3
	CaSO <sub>4</sub> 2H <sub>2</sub> O	< 5%	10101-41-4	231-900-3
	Additives	< 5%	Not specified	Not specified

### 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. Packaging material may burn when exposed to fire  
P370 & P378: In case of fire use suitable extinguishing media, water, CO<sub>2</sub>, 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<sup>3</sup>
- Total air contaminants: OSHA TWA 15 mg/m<sup>3</sup>
- Respirable fraction: OSHA TWA 5 mg/m<sup>3</sup>

### 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

Colour:	White
Odour:	Odourless
Appearance form:	Fine powder
Relative density:	2.964
Solubility:	2.0 – 2.5 g/l 20°C
Melting point:	1460°C

## 10. STABILITY AND REACTIVITY

- Hazardous reactions:** None under normal conditions of use  
**Stability:** Products are stable under recommended handling and storage conditions  
**Conditions to avoid:** None  
**Incompatible materials:** No restrictions  
**Hazardous decomposition products:** Sulphur oxides, Calcium oxides

## 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

- Slightly soluble in water, absorbs moisture and solidifies

## 13. DISPOSAL CONSIDERATIONS

- Do not dispose off in drains or waterways  
Can be disposed of as filling material in construction  
Do not dispose of together with municipal waste  
P501: Dispose at an authorised landfill site according to regulations

## 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