



Prepared: 02. 05. 2017

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## MakeMake Dental Plaster

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Produktidentifikator

Trade name: MakeMake Dental Grade Plaster

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

Recommended use: For castings, reliefs, models, and molds

#### 1.3. Details of the supplier of the safety data sheet

Supplier: Heiss Development  
Pramvej 7  
8940 Randers SW  
Denmark

Phone: +45 86 42 26 26  
E-mail: [info@makemake.dk](mailto:info@makemake.dk)  
WWW: [www.makemake.net](http://www.makemake.net)  
Contact person: Erik Heiss  
CVR no.: 39641259

#### 1.4. Emergency telephone number

In case of accident or poisoning, contact your local emergency services or national poison control center immediately. For medical professionals: Please consult your national poison control center for treatment advice.

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### SECTION 2: Hazards identification

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

CLP classification: The product is not classified according to Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.

#### 2.2. Label elements

Contains: Calcium sulfate hemihydrate.

P-statements:

P102 Keep out of reach of children.

P402+P404 Store in a dry place. Store in a closed container.

P501 Dispose of contents/container in accordance with local waste regulations.

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### SECTION 3: Composition/information on ingredients

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## 3.2. Mixtures

**Registration no. CAS/number EC-number:** 10034-76-1/231-900-3

**Substance:** Calcium sulfate hemihydrate

**w/w%:** 98

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**Inhalation:** Move to fresh air. Rinse the mouth thoroughly with water and clean the nose. Seek medical advice if discomfort persists.

**Ingestion:** Rinse the mouth immediately with plenty of water, provided the person is conscious. Seek medical advice immediately.

**Skin:** Wash immediately with soap and plenty of water. In case of persistent skin irritation, eczema, or similar, seek medical advice.

**Eyes:** Rinse immediately with plenty of water for at least 15 minutes. Do not rub the eyes. Keep the eye wide open by holding the eyelids apart with your fingers, if necessary. Remove any contact lenses. If discomfort continues, seek medical advice.

**Other information:** When seeking medical advice, bring the safety data sheet or the label.

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

May cause irritation, pain, and watering of the eyes upon contact.

May cause mild skin irritation - may lead to redness.

Inhalation of dust may irritate the respiratory tract, causing throat irritation and coughing.

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

No special, immediate treatment is necessary.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam, carbon dioxide, or water. Unsuitable extinguishing media: None known.

#### 5.2. Special hazards arising from the substance or mixture

None known.

#### 5.3. Advice for firefighters

If there is a risk of exposure to vapours and flue gases, self-contained breathing apparatus and protective clothing must be worn to avoid contact with skin and eyes. Non-involved persons must be evacuated to a safe place.

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## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel: Use protective equipment. Cordon off the area from non-emergency personnel. Ensure necessary ventilation and avoid inhaling dust. For emergency personnel: Use protective equipment. Ensure necessary ventilation and avoid inhaling dust.

### **6.2. Environmental precautions**

Spillage must not be discharged into sewers or surface water. Spillage must not be poured into drains.

### **6.3. Methods and materials for containment and cleaning up**

Dry product should be collected in such a way that it creates as little dust as possible, e.g., with a vacuum cleaner or a broom and shovel. Place it in a dry, clean container with a lid. Ventilate the area and wash the area where the spill occurred after the product has been removed.

Mixed product is shoveled or swept up.

Transfer the spill to suitable waste containers.

### **6.4. Reference to other sections**

See section 13 for disposal.

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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Use appropriate protective clothing and safety gloves.

Always try to avoid inhaling dust.

Mechanical ventilation is required.

Try to avoid contact with eyes, skin, and clothing.

Try to minimize the spread of dust.

Use working methods that reduce dust formation.

Keep the product at a safe distance from ignition sources, heat, and fire. Incompatible with strong oxidizing agents.

Wash hands and face thoroughly after handling.

Do not smoke in the work area.

### **7.2. Conditions for safe storage, including any incompatibilities**

Always store dry, in closed original packaging. Store in a cool place.

Opened packaging must be closed tightly after use and should be used up as soon as possible.

Store away from heat, sparks, and fire. Keep away from sources of ignition. Incompatible with strong oxidizing agents.

### **7.3. Specific end use(s)**

See application - section 1.

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## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

Exposure limit values:

Ingredient	8-hour exposure limit ppm/mg/m <sup>3</sup>	Short-term exposure limit ppm/mg/m <sup>3</sup>	Note
Mineral dust, inert, respirable	5	10	
Mineral dust, inert	10	20	

## 8.2. Exposure controls

Appropriate exposure control measures:

Dry product and water are mixed in a bucket/bowl with a whisk.

Ensure effective ventilation during mixing.

Always wash hands before breaks, meals, restroom visits, and after finishing work. Use mild soap and water. Change contaminated clothing.

Personal protective equipment, eye/face protection: Use tightly fitting safety goggles when there is a risk of dust/splashes in the eyes. A full-face mask can also be used.

Personal protective equipment, skin protection: Always use gloves, e.g., of nitrile rubber.

Special work clothing must be used.

Personal protective equipment, respiratory protection: During work that generates dust, e.g., during mixing, use a full or half-face mask with a P2 filter.

Measures to limit environmental exposure: It must be ensured that local regulations for discharge are complied with.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: Powder

Color: White

Odor: Faint odor

Odor threshold: No data

pH (ready-to-use solution): No data

pH (concentrate): Neutral, approx. 7.1-7.2 (when mixed with water)

Melting point/freezing point: >300°C/no data

Initial boiling point and boiling range: No data

Flash point: Not applicable

Evaporation rate: No data

Flammability (solid, gas): Not applicable

Upper/lower flammability limits: Not applicable

Upper/lower explosive limits: Not applicable

Vapor pressure: No data

Vapor density: No data

Relative density: Not applicable

Solubility: Soluble in/miscible with water

Partition coefficient n-octanol/water: Not applicable

Auto-ignition temperature: Not applicable

Decomposition temperature: No data

Viscosity: Not applicable

Explosive properties: Not explosive

Oxidizing properties: Not oxidizing

### 9.2. Other information

None.

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## SECTION 10: Stability and reactivity

### **10.1. Reactivity**

No known.

### **10.2. Chemical stability**

The product is stable when used according to the supplier's instructions.  
The product is stable under normal temperature and pressure.

### **10.3. Possibility of hazardous reactions**

No known hazardous reactions.

### **10.4. Conditions to avoid**

Avoid contact with moisture and water during storage.

### **10.5. Incompatible materials**

Avoid contact with strong oxidizing agents.

### **10.6. Hazardous decomposition products**

In the event of fire or intense heating, the product decomposes and sulfur oxides and calcium oxides may be formed.

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## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

Skin: May be irritating to the skin - may cause redness.

Inhalation: May be irritating to the upper respiratory tract.

Ingestion: May cause nausea, discomfort, and possibly vomiting.

Eyes: May cause eye irritation.

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## **SECTION 12: Ecological information**

### **12.1. Toxicity**

No data.

### **12.2. Persistence and degradability**

No data.

### **12.3. Bioaccumulative potential**

No data.

### **12.4. Mobility in soil**

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### **12.5. Results of PBT and vPvB assessment**

The product does not meet the criteria for PBT or vPvB.

### **12.6. Other adverse effects**

No data.

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## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

The product is not hazardous waste according to the Waste Order. It is recommended that spills and waste are disposed of via the municipal waste disposal system with the specifications below.

Chemical waste group: H

EAK code: 06 03 14 (Solid salts and solutions thereof, other than those mentioned in 06 03 11 and 06 03 13)

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### SECTION 14: Transport information

Not hazardous for transport: This material is considered not hazardous for transport.

Not hazardous for transport by air.

Not hazardous for transport by sea.

14.1. UN number -

14.2. UN proper shipping name -

14.3. Transport hazard class(es) -

14.4. Packing group -

14.5. Environmental hazards -

14.6. Special precautions for user

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### SECTION 15: Regulatory information

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

#### 15.2. Chemical safety assessment

The material is not classified as hazardous according to regulation (EC) No. 1272/2008.

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### SECTION 16: Other information

Compiled on the basis of EU Regulation 1907/2006.

Abbreviations explanation:

PBT: Persistent, Bioaccumulative and Toxic. vPvB: very Persistent and very Bioaccumulative.

Classification method:

Calculation based on the hazards of the known constituents.

Training:

None, but the user must be instructed in the performance of the work and know the contents of this safety data sheet.

Other information:

This safety data sheet is prepared based on the supplier's information regarding physical/chemical properties and all constituents in the product.