

# UNIDENT YELLOWSTONE

## M A T E R I A L   S A F E T Y   D A T A   S H E E T

### IDENTIFICATION

**Product Name:** Yellowstone  
**UN No:** Nil  
**Hazchem Code:** Nil  
**Dangerous Goods Class:** Nil  
**Sub-Risk:** Nil  
**Poison Schedule:** Nil  
**Packaging Group:** Nil

**Manufacturers Product Code:** None

**Use:** Dental moulding material.

### Physical Description Properties:

**Appearance:** Yellow, odourless powder.  
**Melting Range:** 1360°C (decomposes)  
**Specific Gravity:** 2.960  
**Flash Point:** Not combustible (does not burn)  
**pH:** Neutral  
**Solubility:** Slightly soluble in water (0.2 g/100cc)

<b>Ingredients</b>	<b>CAS No.</b>	<b>Proportion</b>
Calcium Sulphate	10101-41-4	100%

### HEALTH HAZARD INFORMATION

#### **Health Effects:**

**Acute:**  
**Swallowed:** Non-toxic by ingestion. Some mild temporary discomfort may occur.

**Eye:** Dust not irritating to eyes except as a foreign object.

**Skin:** Not absorbed through the skin. Not irritating to the skin.

**Inhaled:** High concentration of the dust may cause coughing and irritation.

**Chronic:****Inhaled:**

Repeated and prolonged exposure to massive amounts of dust may cause lung injury by obstruction.

Long term industrial exposure to this material has shown only minor, reversible health effects on the lungs.

**Carcinogenicity:**

None

**First Aid:****Exposure Standards:**

(TLV-TWA) 10 mg/m<sup>3</sup>, Worksafe Australia.

**Engineering Controls:**

Only when handling in bulk situations, i.e. bagging operations. Local exhaust ventilation will be required to control air-borne dust.

**Personal Protection:**

No specific requirement but it is good practice to wear chemical safety goggles and dust masks.

**Flammability:**

This is a non combustibile material.

### **SAFE HANDLING**

**Storage and Transport:**

Store in suitable labelled containers or packets. Re-seal when not in use. Avoid accidental contact with water.

**Spills and Disposal:**

Dampen material with water and shovel into containers. Disposal in landfill is acceptable.

**Reactivity Data:**

Stable when dry.  
Reacts non-hazardously with water to form Plaster of Paris or gypsum material.

**Incompatible:**

Unreactive material under normal working conditions. Hazardous reactions may occur with some highly reactive materials, i.e. acids or at high temperature, i.e. decomposition. Reduction of calcium sulphate by aluminium at high temperatures causes violent explosion.

**Fire/Explosion Hazard:**

Use media appropriate for the surrounding fire.

**Combustion Products:**

Oxides of sulphur, i.e. sulphur dioxide.

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