

MATERIAL SAFETY DATA (PLASTER OF PARIS)

Revision: Number 3
Date 24 August 2015

SECTION 1 Product & Supplier Identification

Product Name : Plaster Of Paris
Other Names : None
Company : Educational Colours Pty Ltd
Address : P.O. Box 657, Croydon, Victoria, Australia 3153
Telephone : (03) 9729-0788 **After Hours :**

USE : Moulding compound, designed to be mixed with water.

SECTION 2 Hazards Identification

Not classified as hazardous according to the criteria of Worksafe Australia

Dangerous Goods Class/Subsidiary Risk : None

Safety / Risk Phrases : None

SECTION 3 Ingredient Composition / Information

<u>Chemical Entity</u>	<u>CAS No.</u>	<u>Proportion</u>
Plaster	10034-76-1	>60%
Calcium carbonate	471-34-1	<10%
Crystalline silica (quartz)	14808-60-7	<0.1%

SECTION 4 First Aid Measures

Swallowed : Rinse mouth with water. If actually ingested drink copious quantities of water. Seek medical attention.

Eye : Irrigate with copious quantities of water for atleast 15 mins. Seek medical attention.

Skin : Remove contaminated clothing and wash area with water. If irritation persists seek medical attention.

Inhalation : Remove affected person to a well ventilated area.

Advice to Doctor : Treat symptomatically.

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SECTION 5 Fire Fighting Measures

Extinguishing Media : Use extinguisher in accordance with primary source of fire.

Fire / Explosion

Hazards : Product is non flammable. Toxic gases (sulfur oxides) may be emitted when heated in a fire situation. Notify those down wind of hazard. Wear full protective equipment in SCBA when fighting fire.

Flammability: Non flammable.

SECTION 6 Accidental Release Measures

Spills & Disposal : Wear dust proof goggles and a Class P1 (Particulate) respirator if a dust risk exists. Vacuum spill if possible or moisten product to reduce dust exposure. DO NOT hose into drains as a blockage may result. Place product into suitable containers for disposal according to local regulations.

SECTION 7 Handling & Storage

General : Use safe work practices to avoid eye or skin contact and inhalation. Wash hands before eating; do not wear contaminated clothing into designated eating areas. Store in a cool, dry location away from foodstuffs. Ensure container is sealed when not in use and clearly labelled.

SECTION 8 Exposure Controls / Personal Protection

Exposure Standards : Crystalline silica (quartz) - 0.1 mg/m³ TWA (Time Weighted Average)
Plaster & Calcium Carbonate dust -10 mg/m³ TWA

Engineering Controls : Avoid generating dust. Where dust may be generated dust extraction is recommended.

Personal Protection : If dust is likely to be generated wear dust proof goggles and impervious gloves. Where an inhalation risk exists wear a Class P1 (Particulate) respirator.

SECTION 9 Physical & Chemical Properties

Appearance : White Powder
Odour : Slight odour.
pH : Not available
Vapour Pressure : Not available
Boiling Point : Not available
Melting Point : Not applicable
Solubility in water : Low
Specific Gravity : 2.60 – 2.70
Flammability Limits : Not flammable

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SECTION 10

Stability & Reactivity

Chemical Stability : This product is considered to be stable in its dry state.

Conditions to avoid : No specific data available for this product.

Incompatible Materials : Strong oxidising agents. Also incompatible with aluminium (when heated).

Hazardous

Decomposition : If engulfed in fire product may give rise to the release of obnoxious fumes including sulphur oxides.

Hazardous Reactions : This product will not undergo hazardous polymerisation in dry state.

SECTION 11

Toxicological Information

Use safe work practices to avoid dust generation. Crystalline silica is classified as carcinogenic. Due to the low levels of crystalline silica in this product chronic health effects are not anticipated with normal use.

Health Effects - Acute :

Swallowed : Ingestion may result in nausea, headache, gastrointestinal irritation and vomiting.

Eye : Irritant. Exposure may result in pain and redness.

Skin : Prolonged contact may cause minor irritation in some individuals.

Inhalation

of Dust : Over exposure may result in mucous membrane irritation of nose and throat with coughing.

Chronic Effects : Chronic exposure through inhalation may cause long term respiratory disorders.

Additional Information : Not applicable

SECTION 12

Ecological Information

Ecotoxicity : The main components are naturally occurring materials. It is not anticipated to cause adverse effects to plants or animals.

Persistence /

Degradation : No specific data available.

Mobility : No specific data available.

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SECTION 13

Disposal Considerations

Disposal Methods : Reuse where possible. Dispose of in accordance with local regulations.

Landfill / Incineration

Precautions : Disposal of contaminant should be in accordance with local regulations for approved landfill.

SECTION 14

Transport Information

U.N. Number : None allocated

Shipping Name : None allocated

D.G. Class & Sub Risk : None allocated

Packing Group : None allocated

Special Precautions : Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Hazchem Code : None

SECTION 15

Regulatory Information

Poisons Schedule : None allocated

SECTION 16

Other Information

Additional Information :

WARNING – DO NOT attempt enclosed casting of body parts, that is hands, fingers, toes etc. This product when mixed with water for setting gives off heat, which may result in serious skin burns.

Reason for

Revision : 5 year review

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