



MATERIAL SAFETY DATA SHEET

Plaster of Paris Casting Powder

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SECTION 1 - IDENTIFICATION OF PRODUCT AND COMPANY

PRODUCT NAME: Stone Cast & Fine Casting Plaster Powders
SUPPLIER: Craftmill Ltd
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TELEPHONE: 0161 484 5888
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SECTION 2 - COMPOSITION

Substance	CAS No.	Concentration	Risk Symbol/R-phrase
Calcium Sulphate Hemihydrate $\text{CaSO}_4 \frac{1}{2}\text{H}_2\text{O}$	26499-65-0	97-100%	
Crystalline Silica	14808-60-7	0-3%	R48/20 R40/20

SECTION 3 - HAZARDS IDENTIFICATION

RESPIRATORY: On available data Stone Cast and Fine Cast Plaster may on long term exposure to respirable mineral dust cause respiratory problems. Plaster sets hard in contact with moisture so could obstruct airway if inhaled in larger quantities

EYE CONTACT: Can cause irritation, inflammation and/or burns

SKIN CONTACT: Powder may cause irritation to sensitive skin. After mixing with water, this product gives off heat when setting which can cause serious burns. Body parts should never be set in plaster or placed into liquid/mixed plaster

If this product is repackaged by distributors, these warnings must be repeated on any new packaging.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Wash open eye with water for 15 minutes

SKIN CONTACT: Wash off skin with soap and water

INGESTION: Wash out mouth. Drink at least 500ml water

INHALATION: Remove to fresh air

Seek medical attention in all cases if symptoms of irritation persist.

SECTION 5 - FIRE FIGHTING MEASURES

Non flammable

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spillage should not be washed into any drain where it may set and cause a blockage.
Avoid creating dust.
Collect by vacuum cleaning or with damp wipes. Use dust mask and glasses. Avoid brushing as this will generate dust.

SECTION 7 - HANDLING AND STORAGE

HANDLING

Use appropriate engineering controls to avoid creating dust. Bags should be opened in ventilated surroundings.

STORAGE

Store in a dry covered area in a tightly sealed container.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS

Local exhaust ventilation may be required in circumstances where there is a risk of inhalation of the product dust.

PERSONAL PROTECTION

RESPIRATORY:	Avoid inhaling dust. Wear a suitable dust mask to avoid inhalation Gypsum and Plaster Dust (Occupational/Workplace Exposure Standards) Total Inhalable Dust: Short Term (15 mins) = none. Long Term(8 hr) = 10mg/m ³ /8h Respirable Dust = Total Inhalable Dust: Short Term (15 mins) = none. Long Term(8 hr) = 4mg/m ³ /8h Quartz (Silica): Short Term (15 mins) 0.1mg/m ³ = none. Long Term = (8 hr) 0.1mg/m ³
HAND:	Gloves, if risk of skin contact. Wash hands after use to avoid contact with eyes etc
EYE:	Provide eyewash. Safety goggles recommended
SKIN:	Only required for those with sensitive skin

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Off White Powder
ODOUR:	None
pH:	N/A
BOILING POINT:	N/A
VAPOUR PRESSURE:	N/A
WATER SOLUBILITY:	Very slight (0.72% by weight)
RELATIVE DENSITY:	2.75g/cm cubed

SECTION 10 - STABILITY AND REACTIVITY

Stable. Hygroscopic. Absorbs water. Will revert to gypsum (CaSO₄ 2H₂O). Decomposition products are Sulphur Trioxide & Calcium Oxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

Long term experience of handling this class of product under industrial conditions indicates the absence of any chronic or acute effects.

ACUTE TOXICITY:	Non Toxic
INGESTION:	Non Toxic
INHALATION AND CONTACT:	May cause eye, skin and throat irritation for sensitive persons

SECTION 12 - ECOLOGICAL INFORMATION

Calcium Sulphate is slightly soluble in water (solubility at around 10g of CaSO₄ / litre). In the presence of organic material and in certain anaerobic conditions, sulphate can conduct to the formation of hydrogen sulphide. Sulphate ion is one of the less toxic anion (guidelines for drinkable water, WHO 1993).

SECTION 13 - DISPOSAL INFORMATION

Stone Cast and Fine Cast Plaster are not classified as hazardous waste. Existing EEC, National and Local Regulations must always be complied with. Do not flush down sink or drain. Dispose of in suitable bin.

SECTION 14 - TRANSPORT INFORMATION

Stone Cast and Fine Cast Plaster are not classified as hazardous for transportation.

SECTION 15 - REGULATORY INFORMATION

EEC HAZARD CLASSIFICATION: None
Maximum exposure limit (8 hours TWA reference period) is 10 mg/m³ total inhalable and 5mg/m³ total respirable dust.

SECTION 16 - OTHER INFORMATION

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.