



GIB[®] Plaster of Paris Safety Data Sheet

Revised 22/10 /09

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name: GIB[®] Plaster of Paris

Recommended use: General purpose plaster for hobbies and crafts

Company Winstone Wallboards

Address: P.O. Box 12 256
Penrose 1642, Auckland, NEW ZEALAND

Telephone Number: 09 633 0100

Emergency Contact Number: 0800 POISON (0800 764 166) or for Emergency Services dial 111

Date of preparation: 21st September 2009

SECTION 2: HAZARDS IDENTIFICATION

Hazard Classification: Non hazardous

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients composition:

CHEMICAL NAME:	TLV mg m ⁻³	PROPORTION:	CAS NUMBER:
Calcium Sulphate Hemihydrate	10	92-100	10034-76-1
Calcium Sulphate Dihydrate	10	92-100	10101-41-4
Crystalline Silica	0.05(R)	<0.10	14808-60-7

SECTION 4: FIRST AID MEASURES

Ingestion: No harmful effects expected. No specific recommendation. If gastric disturbance occurs, call doctor. This product contains gypsum plaster. Plaster of Paris hardens when wetted and, if ingested, may result in obstruction of the gut, especially the pyloric region.

Eyes: Immediately flush thoroughly with water for 15 minutes.
If irritation persists, see doctor.

Skin: Wash with mild soap and water. A commercially available hand lotion may be used to treat dry skin areas. If skin has become cracked, take appropriate action to prevent infection and promote healing.

Inhalation: Remove to fresh air. Leave the area of dust exposure and remain away until coughing and other symptoms subside. Other measures are usually not necessary, however if conditions warrant, contact doctor.

Target Organs: Eyes, skin, and respiratory system.



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Medical Conditions which: maybe aggravated Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema and asthma. Pre-existing skin diseases such as, but not limited to, rashes and dermatitis.

Primary Route Of Entry: Inhalation; eye and skin contact.

SECTION 5: FIRE FIGHTING MEASURES

Flammability: Non combustible

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Hazards from combustion: Not applicable

Protective precautions and equipment for fire fighters: Wear appropriate personal protective equipment (see Personal Protection)

HAZCHEM Code: Not applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures: No special precautions. Wear appropriate personal protection (See Personal Protection Information).

Use normal clean-up procedures. If dry, shovel or sweep up material from spillage and place collected material into a container for recovery or waste disposal. Avoid dust generation. Avoid inhalation of dust and contact with eyes and skin. Wear appropriate protective equipment. Maintain proper ventilation. If vacuum is used to collect dust, use an industrial vacuum cleaner with a high efficiency air filter. If sweeping is necessary, use dust suppressant. Do not use compressed air for clean-up. These procedures will help minimise potential exposures. If washed down, may plug drains. If already mixed with water, scrape up and place in container.

SECTION 7: HANDLING AND STORAGE

Storage: Store in a cool, dry, ventilated area. Dew point or other conditions causing presence of liquid will harden this material during storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Standards:

Engineering Controls: Ventilation - General or local ventilation during cutting.

PERSONAL PROTECTION

Skin Protection: Do not make a cast or mould out of this product on any part of your body. Severe burning can occur

Eye & Respiratory Protection: During mixing and general handling a two-strap type dust mask is suitable. During sanding of dried material use of an approved cartridge type mask is recommended. Safety glasses are recommended when using the product.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off white to grey powder
Odour:	Low to no odour
pH, at stated concentration:	7.5-8.5
Vapour Pressure:	N/A
Vapour Density:	N/A
Boiling Point/Range (°C):	Nil.
Freezing/Melting Point (°C):	1450 °C - decomposes
Solubility in water:	0.15%

Specific Gravity (H₂O = 1):	2.3-2.6
FLAMMABILITY:	Non-flammable

ADDITIONAL PROPERTIES

Evaporation Rate:	N/A
% Volatiles:	N/A

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable in dry environments.
Hazardous Decomposition	Above 1450°C – CaO and SO ₂ . Oxides of carbon.
Conditions to avoid:	Contact with incompatibles: Diazomethane, Aluminium, Phosphorus and Acids. Exposure to water and acids must be supervised because the reactions are vigorous and produce large amounts of heat.
Hazardous polymerization:	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicology data: Health Effects: Acute (short term)

Eyes: Avoid exposure to excessive dust and always wear a safety mask complying with NZS/AS 1715 & 1716 when mixing or sanding this product.

Swallowed & Inhalation: The sulphate ion has caused gastro-intestinal disturbance in humans following large oral doses. Limited studies involving the repeated inhalation of an (unspecified) calcium sulphate failed to identify any particular target organs in monkeys, rats and hamsters. No evidence of mutagenicity was found in Ames bacterial tests.

Health Effects: Chronic This product and its dust may be harmful to the eyes, skin and respiratory system. Prolonged and repeated skin contact may lead to chronic skin irritation (dry, cracked skin). Repeated inhalation of dust may cause chronic lung problems. Encasing or making moulds of any part of the body using this product may cause severe burns.

SECTION 12: ECOLOGICAL & INFORMATION

Eco-toxicity:	This product has no known adverse effect on the ecology. A large discharge directly into waterways would not be expected to kill aquatic life.
Persistence and Degradability:	Not applicable
Mobility:	Not applicable



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SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Information: Wash all tools and equipment with water prior to the material hardening. Spilt material should be left to dry, scraped and then disposed of. Do not flush down drains. Empty packaging should be disposed of to landfill.

SECTION 14: TRANSPORT INFORMATION

DG Class: Not applicable
Subsidiary Risk 1:
Packaging Group: Store in a cool, dry, ventilated area. Dew point or other conditions causing presence of liquid will harden this material during storage.

HAZCHEM code: Not applicable
Marine Pollutant: Not applicable
Special Precautions for User: Minimise exposures in accordance with good hygiene practice. During handling wear the appropriate respiratory, eye and skin protection if warranted per environmental conditions.

SECTION 15: REGULATORY INFORMATION

Not applicable

- END OF SDS -