



SAFETY DATA SHEET

I. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : CMI Betaplas PMP Cement

MAIN USE : Powder additives to improve workability, reduce shrinkage and crack in cement mortar mixes.

COMPANY : CMI Construction Material Industry Sdn. Bhd.
7, Jalan Sungai Jerluh 32/196,
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II. COMPOSITION / INFORMATION ON INGREDIENTS

<u>MATERIALS</u>	<u>PROPORTION</u>	<u>CAS NO.</u>
Hydroxypropyl methylcellulose ether	10 - < 30%	9004-65-3
Filler	> 60%	
Other additives	< Remaining proportion	

III. HAZARDS IDENTIFICATION

HEALTH EFFECTS

SWALLOWED : Small amounts ingested incidental to normal handling will have little or no effect. Larger amounts ingested may cause stomach pains and discomfort.

EYE : Will cause moderate to severe irritation to the eye and must be promptly removed to prevent further damage.

SKIN : May cause superficial burns to damp skin, especially if trapped against skin by clothing. Prolonged or repeated skin exposures may cause drying and cracking of the skin and possibly lead to dermatitis.

INHALED : Will cause coughing and dry throat. Over several years prolonged or repeated exposure to high dust concentrations may lead to lung disorders.

CHRONIC : Prolonged or repeated inhalation of fine dusts may lead to congestive diseases of the lung or in extreme cases to lung cancer.

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IV. FIRST AID MEASURES

SWALLOWED	:	Do not induce vomiting. Rinse mouth clear with water and drink two glasses of water. If patient involuntarily vomits encourage to lean forward to avoid aspirating. If symptoms persist seek prompt medical help.
EYE	:	Hold eyelids open and flush eye for 15 minutes with water. Ensure inside of eyelid is flushed by gently lifting eyelids away from eye top and bottom while flushing. If symptoms persist seek urgent medical attention.
SKIN	:	Remove contaminated clothing and footwear. Flush affected area with water for 3-5 minutes followed by washing gently with soap and water for a further 5 minutes. Rinse well and pat dry. If symptoms persist seek prompt medical assistance.
INHALED	:	Remove patient to fresh air and allow to rest. Seek prompt medical attention if symptoms persist.

V. FIRE FIGHTING MEASURES

Product is non-combustible.
Suitable extinguishing media: Water delivered as fog or dry extinguishing media

VI. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up or taking up:
Avoid creating dust clouds. Stop pedestrians from walking through the spill. Sweep up and collect any dry spilt product. Final clean-up should be with water. Do not allow material to enter drain or waterways. The unmixed products should be suitable for disposal at approved landfill sites.

VII. HANDLING AND STORAGE

Handling	:	Avoid generating or accumulating dusts during handling. Handle in accordance with good industrial hygiene and safety practice. Keep workplace well ventilated.
Storage	:	Store in a cool, dry and well-ventilated area.

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

General protective measures: In outdoor natural ventilation is usually adequate. If extremely dusty conditions prevail or if working in poorly ventilated enclosed areas provide adequate ventilation/dust extraction and exhausts to ensure that the work area is kept below the TWA set

Personal protective equipment:

Hand protection	:	Impermeable gloves recommended.
Eye protection	:	Safety goggles recommended.
Skin protection	:	Wash with soap and water after handling.
Hygiene measures	:	Do not eat, drink or smoke when handling product.



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IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Off-white powder
Odour	:	Odourless
Percent volatiles	:	N.D
Boiling point	:	N.D
Flash point	:	N.A
Vapour pressure	:	N.D
Specific gravity	:	Approx. 2.6
Melting point	:	N.D
Flammability Limits	:	N.A
Solubility in water	:	Insoluble but miscible in all proportions

X. STABILITY AND REACTIVITY

Reactivity	:	Not generally reactive under normal conditions.
Chemical Stability	:	Stable under normal conditions.
Conditions to Avoid	:	Incompatible materials
Incompatible Materials	:	Strong acids, strong bases, oxidizing agents
Hazardous Polymerization	:	Will not occur

XI. TOXICOLOGICAL INFORMATION

Routes of Entry	:	Inhalation, ingestion, eye or skin contact.
Symptoms (Acute)	:	Respiratory Irritation, Eye Irritation
Delayed Effects	:	No data available
Chronic Effects:		
Mutagenicity:		No evidence of a mutagenic effect.
Teratogenicity:		No evidence of a teratogenic effect (birth defect).
Sensitization:		No evidence of a sensitization effect.
Reproductive:		No evidence of negative reproductive effects.
Target Organ Effects:		
Acute:		See Section 2
Chronic:		N/A

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XII. ECOLOGICAL INFORMATION

This material is not expected to be harmful to the ecology.

Mobility: No data

Persistence: No data

Bioaccumulation: No data

Degradability: No data

Other Adverse Effects: No data

XIII. DISPOSAL CONSIDERATIONS

Waste products should be placed in plastic drums or pails, fit lids, label and place in a safe area to await disposal or recovery. Disposal of product should always comply with local and national regulations.

XIV. TRANSPORT INFORMATION

The products is not classified as hazardous under transport regulations

XV. REGULATORY INFORMATION

Labeling according to EU Directive 1999/45/EC:

The product does not require a hazard warning label in accordance with EC Directives.

XVI. OTHER INFORMATION

Date of preparation: 19th November 2018

The information given here is to the best of our knowledge true and accurate and is provided solely for making safety assessments. It is not a sales specification or an indication of suitability for a particular use. Recipients of our product must take responsibility for observing existing laws and regulations.