

SAFETY DATA SHEET

I. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	:	CMI MultiFix 188
MAIN USE	:	Cement based adhesive for ceramic tiles, homogenous porcelain tiles or stones
COMPANY	:	CMI Construction Material Industry Sdn. Bhd. 7, Jalan Sungai Jerluh 32/196, Bukit Kemuning, Seksyen 32, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
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II. HAZARDS IDENTIFICATION

GHS Classification:

Acute Toxicity Oral - Category 4
Acute Toxicity Dermal - Category 4
Acute Toxicity Inhalation - Category 4
Skin Corrosion/Irritation - Category 2
Eye Irritation - Category 2
Respiratory Sensitization - Category 3
Skin Sensitization - Category 1

GHS Label Elements:

Symbol(s)



Signal Word: Warning

Hazard Statements:

Harmful if swallowed or in contact with skin
Toxic if inhaled.
Causes skin and serious eye irritation
May cause allergic skin reaction or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements

Wash thoroughly after handling. Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
Contaminated work clothing must not be allowed out of the workplace.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
In case of inadequate ventilation wear respiratory protection.



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III. COMPOSITION / INFORMATION ON INGREDIENTS

<u>MATERIALS</u>	<u>PROPORTION</u>	<u>CAS NO.</u>
Portland Cement	30 - 60%	65997-15-1
Filler and Aggregates	> 60%	
Additive	< Remaining proportion	

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 persists 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

General Fire Hazards	:	Product is non-combustible.
Hazardous Combustion Products	:	None
Suitable extinguishing media	:	Water delivered as fog or dry extinguishing media
Unsuitable extinguishing media	:	None
Fire Fighting Equipment/Instruction	:	Fire-fighters should wear appropriate protective equipment and
Major Fire Fighting Equipment/Instruction	:	Wear self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear appropriate personal protective equipment as described in Section 8.
Environment precautions	:	Do not allow material to enter drain or waterways. The unmixed products should be suitable for disposal at approved landfill sites.
Large Spillage	:	Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Small Spillage	:	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

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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

TWA: 10 mg/m³ 8 hour(s). Form particulate (Regulation USECHH 2000)

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.

IX. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : White or Grey powder
- Odour : Cement-like
- Percent Volatiles : N.D
- Boiling Point : N.D
- Flash point : N.A
- Vapour pressure : N.D
- Specific gravity : Approx. 1.3
- Melting point : N.D
- Flammability Limits : N.A
- Solubility in water : Insoluble but miscible in all proportions

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X. STABILITY AND REACTIVITY

Stability	:	Product is non-combustible. No explosive effect expected
Incompatible materials	:	None
Hazardous decomposition products	:	Under normal conditions of storage and use, Hazardous decomposition products should not produced.

XI. TOXICOLOGICAL INFORMATION

Over exposure sign/symptoms

Inhalation	:	Adverse symptoms may include the following: Respiratory tract irritation and coughing.
Skin	:	Adverse symptoms may include the following: Irritation and redness.
Eyes	:	Adverse symptoms may include the following: Pain or irritation, watering and redness.
Target Organs	:	Contains material which may cause damage to the following organs: kidneys, lungs, Upper respiratory tract, skin, eyes, testes.

Potential acute health effects

Inhalation	:	Irritating to respiratory system.
Ingestion	:	Irritating to mouth, throat and stomach.
Skin contact	:	Irritation to skin.
Eye contact	:	Severely irritating to eyes. Risk of serious damage to eyes.

Potential chronic health effects

No known significant effects or critical hazards.

Crystalline silica is a Category 1 human carcinogen. Therefore, handled as recommended with suitable precautions for designated uses.

XII. ECOLOGICAL INFORMATION

General Product Information

This product is not reported to have any ecotoxicity effects. It will block drains or small waterways as product cures in contact with water. Not biodegradable.

Component Analysis – Ecotoxicity – Aquatic Toxicity

No ecotoxicity data are available for this product's component.

Persistence/Degradability

No information available for the product

Bioaccumulation

No information

Mobility in soil

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No information available for the product

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

Labelling 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.