

# MATERIAL SAFETY DATA SHEET

REV005

Date:20 August 2019

## Section 1 Identification

HEALTH	[2]
FLAMMABILITY	[0]
REACTIVITY	[0]
PROTECTION	[E]

Product Name: COLOURED HARDENER  
Chemical Name: Mixture  
Chemical Family: Mixture  
Chemical Formula: Mixture

## Section 2 Composition/Information on Ingredients

Composition	Weight	OSHA TWA	ACGIH TLV	CAS Number
Silica, Crystalline Quartz	60-90%	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	14808-60-7
Cement	10-60%	10 mg/m <sup>3</sup> (Total) 5 mg/m <sup>3</sup> (Respirable)	10 mg/m <sup>3</sup>	65997-15-1

## Section 3

### Hazards Identification

#### Emergency Overview:

Warning! Harmful if inhaled. Irritating to eyes and skin. May cause delayed lung injury (silicosis). Cancer hazard. Risk of cancer depends on duration and level of exposure.

**Acute Exposure:** Airborne particles will irritate the eyes and may cause temporary but reversible respiration difficulties. Cement is a severe eye irritant. In combination with water, it may cause alkali burns.

**Chronic Exposure:** Repeated inhalation of respirable silica in excess of the TWA over extended periods of time may result in irreversible fibrosis of the lungs (silicosis).

#### Signs and Symptoms of Exposure:

Inhalation - Undue coughing, wheezing, and breathlessness.

Eyes - Irritation, inflammation or abrasion of the eye.

Skin - Dryness, itching, rashes and burns may develop following skin contact. Dermatitis or skin sensitization may develop after repeated or prolonged contact.

Ingestion - May cause discomfort if swallowed.

**Medical Conditions Generally Aggravated by Exposure:** Dermatitis, pulmonary conditions and diseases.

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#### Section 4

##### First Aid Measures

###### Emergency and First Aid Procedures:

Inhalation - If inhaled, or if difficulty in breathing is experienced, move to fresh air. If coughing, irritation, difficulty in breathing, or other respiratory symptoms persist or develop, get medical attention.

Skin - Wash thoroughly with soap and water. Remove soiled clothing and wash before reuse. If symptoms develop, get medical attention.

Ingestion - Get medical attention.

Eyes - DO NOT RUB EYES. Immediately flush thoroughly with plenty of water and get medical attention.

Note to physician - Mucosal injury following ingestion of this material may contraindicate the induction of vomiting in the treatment of possible ingestion.

##### Section 5 Fire and Explosion Hazard Data

Flash Point (Method Used):	None
Flammable Limits:	Not Applicable
Extinguishing Media:	Non Flammable Non Combustable
Special Fire Fighting Procedures:	Not Applicable
Unusual Fire and Explosion Hazards:	None Known

#### Section 6

##### Accidental Release Measures

Steps to be Taken in Case Material is Released or spilled: Only qualified personnel who have read the product Tech-Data Bulletins and this MSDS should conduct these procedures. Persons not wearing protective equipment should be excluded from the area. Follow procedures in Section 8-Exposure Controls/Personal Protection. Avoid generating dust during recovery or disposal. Collect in labeled waste container.

#### Section 7

##### Precautions for Safe Handling and Use

Precautions to be taken in Handling and Storing: Follow personal protection procedures (Section 8) when handling the material. Store in a cool, dry, wellventilated area, in unopened original packaging or in tightly closed labeled containers. Protect from physical damage. Avoid contact with acids and other oxidizers. Avoid moisture; moisture may result in product hydration.

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### Section 8

#### Exposure Controls / Personal Protection

Ventilation/Engineering Controls: Adequate ventilation and sufficient local exhaust as needed to maintain exposure below TWA and TLV limits.

Respiratory Protection: Wear dust (particulate) respirator (NIOSH TC-84A approved). For respiratory protection guidelines refer to OSHA 29 CFR 1910.134.

Eye Protection: Wear safety goggles. Wearing of contact lenses when working with this product is not recommended.

Skin Protection: Wear impervious gloves.

Other Protective Clothing or Equipment: Wear suitable protective clothing to minimize skin contact.

Work/Hygienic Practices: Minimize exposure in accordance with good hygienic practice. Wash with soap and water immediately after handling.

### Section 9

#### Physical and Chemical Characteristics

Boiling Point:	Not applicable
Vapor Pressure (mm Hg.):	Not applicable
Vapor Density (Air = 1 ):	Not applicable
Solubility in Water:	Slight
Specific Gravity (H <sub>2</sub> O = 1 ):	Approximately 2.7-3.0
Melting Point:	Not applicable
Evaporation Rate (Butyl Acetate = 1 ):	Not applicable
Volatile Organic Compounds:	Nil
Appearance and Odor:	Gritty powder. Various colors. No odor.

### Section 10

#### Stability and Reactivity

Stability: Stable

Conditions to Avoid: Product reacts (hydrates) at a slow, controlled rate when mixed with water releasing minimal heat.

Incompatibility (Materials to Avoid): Strong oxidizing agents such as strong organic and inorganic acids. Acids will react with cement.

Hazardous Decomposition or By-products: No hazardous reaction under normal conditions.

Hazardous Polymerization: Will not occur.

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### Section 11

#### Toxicological Information

Health Hazards (Acute and Chronic):

Airborne particles will irritate the eyes and may cause temporary but reversible respiration difficulties. Cement, in combination with water, may cause alkali burns. Repeated inhalation of respirable silica in excess of the TWA over extended periods of time may result in irreversible fibrosis of the lungs (silicosis). IARC- The International Agency for Research on Cancer classifies quartz as Group 1 - probably carcinogenic to humans.

### Section 12

#### Ecological Information

Aquatic Toxicity Rating: Aquatic toxicity rating not determined. The addition of products containing cement to water will, however, cause the pH to rise and may therefore be toxic to aquatic life in some circumstances. Therefore, all possible efforts should be made to keep the product away from drains, surface and ground water, and soil.

### Section 13

#### Disposal Considerations

Waste Disposal Method:

Follow personal protection procedures (Section 8) when disposing of material. Disposal of all residual or recovered product must be in accordance with all applicable federal, state, and local regulations.

### Section 14

#### Transport Information

DOT Hazard Class: Not regulated

### Section 15

#### Regulatory Information

International Regulations: Consult the regulations of the importing country.

### Section 16

#### Other Information

Before using this product: Completely read the Fibermar (MKT) Tech-Data Bulletin on TopCoat and/or Glamour Coat and the product label.

#### WARRANTY

Since no control is exercised over product use, Fibermar (MKT) Limited represents and warrants only that its products are of consistent quality within manufacturing tolerances.

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