


SAFETY DATA SHEET

FABRIKEM® COLOUR HARDENER

SECTION 01 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier	Fabrikem® Colour Hardener
Recommended Use	Cementitious colour/hardening compound for concrete .
Manufacturer's Name	Fabrikem Manufacturing Ltd. 20361 Duncan Way, Langley, BC V3A 7N3
Supplier's Name	Fabrikem Manufacturing Ltd. 20361 Duncan Way, Langley, BC V3A 7N3
Phone Number	604-532-3883 (Monday to Friday; 0800-1600 Pacific Time)
Preparation Date of SDS	21 November 2017
Revision Date of SDS	21 February 2020
SDS Prepared By	WHMIS Team
CANUTEC Emergency Number	613-996-6666 (Transport Emergencies)

SECTION 02 HAZARD IDENTIFICATION

Hazard Classification	SKIN CORROSION/IRRITATION – Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION – Category 1 SKIN SENSITIZATION – Category 1 CARCINOGENICITY/INHALATION – Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) – Category 3 (Respiratory tract irritation)
Label Elements	
Symbols	
Signal Word	Danger
Hazard Statements	H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. H350 May cause cancer.
Precautionary Statements	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust. P264 Wash any exposed body parts thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves, protective clothing, eye protection, and face protection. P308 + P313 If exposed or concerned: Get medical advice/attention. P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. P405 Store locked up.

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	P501 – Dispose of contents/container in accordance with local regulations.
Other Hazards	N/A

SECTION 03 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS#	OSHA PEL-TWA (8 Hour)	TLV-TWA (8 Hour)
Quartz (crystalline silica)	25 - 60	14808-60-7	10 mg/m ³	0.025 mg/m ³
Portland Cement	20 - 40	65997-15-1	5 mg/m ³	10 mg/m ³
Titanium Dioxide	1 - 5	13463-67-7	15 mg/m ³	10 mg/m ³

SECTION 04 FIRST AID MEASURES

Route of Exposure	
Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin Contact	Wash with plenty of Water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
Most Important Symptoms & Effects	<p>Symptoms/effects after inhalation: May cause irritation to the respiratory tract.</p> <p>Symptoms/effects after skin contact: Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause burns in the presence of moisture. Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.</p> <p>Symptoms/effects after eye contact: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.</p> <p>Symptoms/effects after ingestion: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.</p>
Immediate Medical Attention & Special Treatment	Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately.

SECTION 05 FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing media appropriate for surrounding fire.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Hazardous Combustion Products	Products of combustion may include, and are not limited to: oxides of carbon, silicon oxides.
Special Fire Fighting Procedures	Use water spray or fog for cooling exposed containers. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 06 ACCIDENTAL RELEASE MEASURES

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Personal Precautions, Protective Equipment, and Emergency Procedures	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Methods and Materials for Containment and Cleaning Up	Contain spill, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Vacuum or sweep material and place in a disposal container. Provide ventilation.

SECTION 07 HANDLING AND STORAGE

Precautions for Safe Handling	Avoid contact with skin and eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Do not breathe dust, fume, gas, mist, spray, vapours. Avoid generating dust. Good housekeeping is important to prevent accumulation of dust. The use of compressed air for cleaning clothing, equipment, etc. is not recommended. Wash contaminated clothing before reuse. Always wash hands after handling the product.
Conditions for Safe Storage	Keep out of the reach of children. Keep container tightly closed. Store locked up. Store in a dry, cool and well-ventilated place. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers.

SECTION 08 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits	ACGIH TLV	Respirable particulates: 0.05 mg/m ³ (quartz)
	OSHA PEL	Respirable particulates: 0.05 mg/m ³ (quartz)
	Other	
Engineering Controls	General	Ensure good ventilation of the work station.
	Local Exhaust	
	Other	
Personal Protective Equipment	Gloves	Wear suitable waterproof gloves.
	Respirator	In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
	Eye	Wear eye/face protection.
	Footwear	Wear suitable safety footwear.
	Clothing	Wear suitable protective clothing.
	Other	Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 09 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid, powder (light grey to white)
Odour	Characteristic earthy odour
Odour Threshold	N/E
pH	11-13
Melting/Freezing Point	N/A
Initial Boiling Point/Range	N/A
Flash Point	N/A

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Evaporation Rate (n-butyl acetate = 1)	N/A
Flammability	Not flammable
Lower Flammable/Explosive Limit	N/A
Upper Flammable/Explosive Limit	N/A
Vapour Pressure	N/A
Vapour Density (air = 1)	N/A
Relative Density (water = 1)	2.8
Solubility	0
Partition Coefficient (n-octanol/water)	N/E
Auto-Ignition Temperature	N/A
Decomposition Temperature	N/E
Viscosity	solid

SECTION 10 STABILITY AND REACTIVITY

Reactivity	No dangerous reactions known under normal conditions of use.
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	No dangerous reactions known under normal conditions of use.
Conditions to Avoid	Heat. Incompatible materials. Moisture.
Incompatible Material	Wet cement is alkaline and incompatible with acid, ammonium salts and aluminum metal.
Hazardous Decomposition Products	May include, and are not limited to: oxides of carbon, silicon oxides.

SECTION 11 TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation, Skin, Eyes, Ingestion		
Symptoms of Acute Exposure	Product may present a nuisance dust hazard. Inhalation of dust may cause respiratory tract irritation, coughing and breathing difficulties.		
Symptoms of Chronic Exposure	This product contains crystalline silica (quartz). Prolonged or repeated inhalation of respirable crystalline silica may result in silicosis.		
Irritancy of Product	Respiratory tract, skin and eye irritant		
Other Toxicological Information			
Ingredient	LD ₅₀	LC ₅₀	TLV
Quartz (crystalline silica)	31,600 mg/kg	N/A	0.025 mg/m ³
Portland Cement	2,000 mg/kg	N/A	10 mg/m ³
Titanium Dioxide	5,000 mg/kg	6.82 mg/L	10 mg/m ³

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity	May cause long-term adverse effects in the aquatic environment.
Persistence & Degradability	N/E
Bioaccumulative Material	N/E
Mobility in Soil	No additional information available.
Other Adverse Effects	No other effects known.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal	Dispose in a safe manner in accordance with local/national regulations.
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SECTION 14 TRANSPORT INFORMATION

Shipping Name	N/A
TDG	Not regulated for transport.
DOT	Not regulated for transport.

SECTION 15 REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

SECTION 16 OTHER INFORMATION

Date of Latest Revision 21 February 2020

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It is provided solely for the customer's consideration, and verification and Fabrikem Manufacturing Ltd. hereby specifically claims it shall not be held liable for any damage resulting from handling or from contact with the above products.

N/A = Not Available

N/E = Not Established