


# SAFETY DATA SHEET

Fabriglaze® G-Series (G-15, G-20, G-25, G-30, G-40)

## SECTION 01: PRODUCT AND COMPANY IDENTIFICATION

<b>Product Identifier:</b>	Fabriglaze® G-Series
<b>Product Use:</b>	Concrete and Masonry Protection
<b>Manufacturer's Name:</b>	Fabrikem Manufacturing Ltd. 20361 Duncan Way, Langley, BC V3A 7N3
<b>Supplier's Name:</b>	Fabrikem Manufacturing Ltd. 20361 Duncan Way, Langley, BC V3A 7N3
<b>Preparation Date of SDS:</b>	12 January 2018
<b>Revision Date of SDS:</b>	21 February 2020
<b>SDS Prepared By:</b>	WHMIS Committee
<b>Phone Number of Preparer:</b>	604-532-3883
<b>CANUTEC Emergency Number:</b>	613-996-6666

## SECTION 02: HAZARDOUS IDENTIFICATION

<b>GHS Classification:</b>	Flammable liquids Category 2 Acute toxicity: Oral Category 5 Acute toxicity: Inhalation Category 4 Specific target organ systemic toxicity – single exposure Category 3 Acute aquatic toxicity Category 3
<b>GHS Labelling:</b>	
<b>Signal Word:</b>	Danger
<b>Hazard Statements:</b>	H226 Flammable liquid and vapor. H303 May be harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. H402 Harmful to aquatic life.
<b>Precautionary Statements:</b>	<p><b>Prevention:</b></p> P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting/equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P260 Do not breathe dust/fume/gas/mist/vapors/spray. P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. <p><b>Response:</b></p> P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P303 + P361 + 353 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 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTER or doctor/ physician if you feel unwell. P331 Do NOT induce vomiting. P332 If skin irritation occurs: Get medical advice/attention.

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	P337 If eye irritation persists: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. <b>Storage:</b> P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.
<b>Other hazards</b>	Repeated exposure may cause skin dryness or cracking

## SECTION 03: HAZARDOUS INGREDIENTS

Ingredients:	%	CAS#	OSHA PEL	TLV	STEL
Tertiary Butyl Acetate	30-60	540-88-5	150 ppm	200 ppm	200 ppm
Toluene	10-30	108-88-3	100 ppm	20 ppm	150 ppm
Acrylic Resin	10-40	mixture	N/E	N/E	N/E

## SECTION 04: FIRST AID MEASURES

<b>Skin Contact:</b>	Wash with soap and water. Remove contaminated clothing and shoes. Do not reuse until cleaned. If persistent irritation occurs, get medical attention.
<b>Eye Contact:</b>	DO NOT RUB. Flush eyes with plenty of water for 15 minutes while holding eyelids open. If irritation persists, GET MEDICAL ATTENTION IMMEDIATELY.
<b>Inhalation:</b>	Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. GET MEDICAL ATTENTION IMMEDIATELY.
<b>Ingestion:</b>	DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. GET MEDICAL ATTENTION IMMEDIATELY.

## SECTION 05: FIRE FIGHTING MEASURES

<b>Flammable:</b>	Yes, Flammable Liquid
<b>Means of Extinction:</b>	Use water fog, foam, dry chemical, or CO <sub>2</sub> . Do not use a direct stream of water. Product will float and can re-ignite on the surface of the water.
<b>Flash Point:</b>	25°C (TCC)
<b>Upper Flammable Limit:</b>	5.3 %
<b>Lower Flammable Limit:</b>	1.0 %
<b>Auto Ignition Temperature:</b>	N/E
<b>Explosion Data – Sensitivity to Impact:</b>	Vapours are heavier than air and may accumulate in low areas inadequately ventilated. Vapours may also travel along the ground to be ignited at locations distant from the handling site and flashback of flame to the handling site may occur.
<b>Explosion Data – Sensitivity to Static Discharge:</b>	Static accumulator, ensure containers are properly grounded. Never use welding or cutting torch on or near containers, even when empty. Product or residue may ignite explosively.
<b>Hazardous Combustion Products:</b>	Closed containers may explode when exposed to extreme temperatures. Thermal decomposition or combustion may generate irritating and or toxic gases like carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ).
<b>Special Fire Fighting Procedures:</b>	Evacuate hazard area of unprotected personnel. Wear proper protective clothing, including a NIOSH-approved, positive pressure, self-contained, breathing apparatus. Cool fire-exposed containers with water. In case of large fires, also cool surrounding equipment and structures with water. If a leak or spill has not ignited, use water spray to disperse the vapours.

## SECTION 06: ACCIDENTAL RELEASE MEASURES

<b>Leak and Spill Procedures:</b>	This product is flammable. Shut off and eliminate all ignition sources. Keep people away. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Flush with water to a tank or an open well-ventilated area. Recover by pumping. USE EXPLOSION PROOF EQUIPMENT. Keep product out of sewers, watercourses, and soil by diking or impounding. Apply a suitable absorbent such as sand, earth to the spill areas. Do not use combustible materials such as sawdust. Control runoff and isolate discharge material for proper waste- disposal method. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas. Use non-leaking containers, seal tightly, and label properly. Dispose of in accordance with applicable environmental regulations.
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## SECTION 07: HANDLING AND STORAGE

<b>Handling Procedures and Equipment:</b>	Keep away from heat, sparks, and open flame. DO NOT WELD, heat or drill on or near containers. Even empty containers can contain explosive vapors or residue. Keep containers closed. Do not breathe vapors or spray mist.
<b>Storage Requirements:</b>	Store away from strong oxidizing agents, in a cool, dry place with adequate explosion-proof ventilation. Ground equipment to prevent accumulation of static charge. If pouring or transferring materials, containers must be bonded and ground.

## SECTION 08: EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Exposure Limits:</b>	<b>ACGIH TLV</b>	20 ppm (toluene)
	<b>OSHA PEL</b>	150 ppm (toluene)
	<b>Other</b>	NIOSH IDLH 500 ppm
<b>Engineering Controls:</b>	<b>General</b>	Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. Use explosion-proof equipment.
	<b>Local Exhaust</b>	Both local exhaust and good general room ventilation must be provided.
	<b>Other</b>	Minimize breathing vapour or mist. Avoid prolonged or repeated contact with skin. Use good hygiene when handling this product.
<b>Personal Protective Equipment:</b>	<b>Gloves</b>	Use chemical resistant gloves like butyl rubber; avoid prolonged or repeated skin contact.
	<b>Respirator</b>	Avoid inhalation and use only MSHA or NIOSH approved atmosphere supplying or air purifying respirators in confined or enclosed spaces for organic vapours if needed.
	<b>Eye</b>	Use splash goggles or face shield to protect face and eyes. An eyewash station and a safety shower should be available.
	<b>Footwear</b>	Remove contaminated shoes and thoroughly clean and dry before use.
	<b>Clothing</b>	Remove contaminated clothing and laundry or dry-clean before reuse.
	<b>Other</b>	Cleanse skin thoroughly after handling and before eating or drinking. Product is easily removed with waterless hand cleaners followed by washing thoroughly with soap and water.
<b>Hazard Index:</b>	Health = 1, Fire = 3, Reactivity = 0	

## SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Odour and Appearance:</b>	Petroleum odour, Clear liquid
<b>Odour Threshold:</b>	1 ppm
<b>Specific Gravity:</b>	0.9-0.95 g/cm <sup>3</sup>
<b>Vapour Density (air = 1):</b>	>3
<b>Vapour Pressure:</b>	8.29 mm Hg @ 25°C
<b>Evaporation Rate (n-butyl acetate = 1):</b>	0.6
<b>Flammability Class:</b>	3
<b>Boiling Point:</b>	137°C
<b>Freezing Point:</b>	N/A
<b>Volatile % by Weight:</b>	60 – 90%
<b>pH:</b>	N/A
<b>Coefficient of Water/Oil Distribution:</b>	N/E
<b>Solubility in Water:</b>	Insoluble

## SECTION 10: STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable
<b>Incompatibility With Other Substances:</b>	Conditions to avoid: Heat, sparks and open flames. Materials to avoid: Strong oxidizing agents, bases or acids, nitrates and plastics.
<b>Reactivity:</b>	N/E
<b>Hazardous Decomposition Products:</b>	Carbon monoxide, carbon dioxide

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## SECTION 11: TOXICOLOGICAL INFORMATION

Effects on Acute Exposure:	Acute Toxicity Toluene: LD50 (Oral rat 2,600 mg/kg); LC50 (Inhalation mouse): 7,100 ppm
Effects on Chronic Exposure:	Symptoms of chronic overexposure include loss of memory, loss of intellectual ability, and loss of coordination.
Irritancy of Product:	In skin irritation studies, the product was found to be slightly to moderately irritating.
Skin Sensitization:	N/E
Respiratory Sensitization:	Inhalation of vapours can affect the central nervous system. Symptoms may include slight drowsiness and headache, fatigue and dizziness, numbness, mild nausea, mental confusion and incoordination. Higher concentrations can result in unconsciousness and death.
Carcinogenicity:	Not classified as a human carcinogen.
Other Toxic Information:	N/E
Reproductive Toxicity:	Suspected of causing damage to fertility of the unborn child.
Teratogenicity:	There is insufficient information available to conclude that toluene is mutagenic.
Embryotoxicity:	See above.
Mutagenicity:	See above.
Name of Synergistic Products/Effects:	N/E

## SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity:	If toluene enters soil, it will be highly mobile and may contaminate groundwater. Toluene is readily biodegradable.
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## SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:	Use non-leaking containers, seal tightly and label properly. Dispose of in accordance with applicable environmental regulations and guidelines. Do not dispose in streams, wells, lakes, rivers, oceans, or sewers. Handle as a combustible product.
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## SECTION 14: TRANSPORT INFORMATION

Shipping Name:	UN 1866, RESIN SOLUTION, FLAMMABLE, Class 3, P.G. III
PIN:	1866
TDG:	UN 1866, RESIN SOLUTION, FLAMMABLE, Class 3, P.G. III
DOT:	UN 1866, RESIN SOLUTION, FLAMMABLE, Class 3, P.G. III
IMDG:	N/E
ICAO:	N/E
ERAP:	N/E

## SECTION 15: REGULATORY INFORMATION

OSHA Regulated:	See Section 02
NTP:	N/E
IARC Monograph:	Group 3 (xylene)
NFPA Rating:	Health = 2, Fire = 3, Instability = 0

## SECTION 16: OTHER INFORMATION

Regulatory Warning:	<b>US Federal Warning: Section 311, 312 Supplier Notification:</b> This product contains the following toxic chemicals subject to the reporting requirements of SARA TITLE III, Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:			
		<b>CAS#</b>	<b>Chemical Name</b>	<b>% by Weight</b>
		540-88-5	Tertiary Butyl Acetate	30-60
		108-88-3	Toluene	10-30

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 Applicable  
N/E = Not Established