


SAFETY DATA SHEET

Fabrishield® MS-270

SECTION 01: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier:	Fabrishield® MS-270)
Product Use:	Water Repellent for Manufactured Stone
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
Preparation Date of SDS:	1 October 2015
Revision Date of SDS:	21 February 2020
SDS Prepared By:	WHMIS Committee
Phone Number of Preparer:	604-532-3883
CANUTEC Emergency Number:	613-996-6666

SECTION 02: HAZARDOUS IDENTIFICATION

GHS Classification:	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
GHS Labelling:	
Signal Word:	Danger
Hazard Statements:	H225 Highly flammable liquid and vapor. H303 May be harmful if swallowed. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H402 Harmful to aquatic life.
Precautionary Statements:	<p>Prevention:</p> P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 Keep container tightly closed. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. <p>Response:</p> P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/ physician if you feel unwell. <p>Storage:</p> P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.
Other hazards	Repeated exposure may cause skin dryness or cracking

SECTION 03: HAZARDOUS INGREDIENTS

Ingredients:	%	CAS#	OSHA PEL	TLV	STEL
Tertiary Butyl Acetate	80-95	540-88-5	150 ppm	200 ppm	200 ppm
Silane/Siloxane Mixture	5-20	mixture	N/E	N/E	N/E

SECTION 04: FIRST AID MEASURES

Skin Contact:	Wash with soap and water. Remove contaminated clothing and shoes. Do not reuse until cleaned. If persistent irritation occurs, get medical attention.
Eye Contact:	DO NOT RUB. Flush eyes with plenty of water for 15 minutes while holding eyelids open. If irritation persists, GET MEDICAL ATTENTION IMMEDIATELY.
Inhalation:	Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. GET MEDICAL ATTENTION IMMEDIATELY.

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Ingestion:	DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. GET MEDICAL ATTENTION IMMEDIATELY.
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SECTION 05: FIRE FIGHTING MEASURES

Flammable:	Yes, Highly Flammable Liquid
Means of Extinction:	Use water fog, foam, dry chemical, or CO ₂ . Do not use a direct stream of water. Product will float and can re-ignite on the surface of the water.
Flash Point:	4.4°C (TCC)
Upper Flammable Limit:	6.9 %
Lower Flammable Limit:	1.0 %
Auto Ignition Temperature:	518°C
Explosion Data – Sensitivity to Impact:	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.
Explosion Data – Sensitivity to Static Discharge:	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.
Hazardous Combustion Products:	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 ₂).
Special Fire Fighting Procedures:	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

Leak and Spill Procedures:	This product is extremely 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

Handling Procedures and Equipment:	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.
Storage Requirements:	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

Exposure Limits:	ACGIH TLV	200 ppm
	OSHA PEL	200 ppm
	Other	NIOSH IDLH 1500 ppm
Engineering Controls:	General	Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. Use explosion-proof equipment.
	Local Exhaust	Both local exhaust and good general room ventilation must be provided.
	Other	Minimize breathing vapour or mist. Avoid prolonged or repeated contact with skin. Use good hygiene when handling this product.

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Personal Protective Equipment:	Gloves	Use chemical resistant gloves like butyl rubber; avoid prolonged or repeated skin contact.
	Respirator	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.
	Eye	Use splash goggles or face shield to protect face and eyes. An eyewash station and a safety shower should be available.
	Footwear	Remove contaminated shoes and thoroughly clean and dry before use.
	Clothing	Remove contaminated clothing and laundry or dry-clean before reuse.
	Other	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.
Hazard Index:	Health = 1, Fire = 3, Reactivity = 0	

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Odour and Appearance:	Camphor-like odour, Clear liquid
Odour Threshold:	N/E
Specific Gravity:	0.85-0.87 g/cm ³
Vapour Density (air = 1):	>1
Vapour Pressure:	181 mm Hg @ 38°C
Evaporation Rate (n-butyl acetate = 1):	> 1
Flammability Class:	3
Boiling Point:	N/E
Freezing Point:	N/A
Volatile % by Weight:	80 – 95%
pH:	N/A
Coefficient of Water/Oil Distribution:	N/E
Volatile Organic Compounds (VOC's):	< 100 grams per litre (without exempt solvents)
Solubility in Water:	Insoluble

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

Effects on Acute Exposure:	N/A
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/A
Respiratory Sensitization:	Symptoms of respiratory irritation include runny nose, sore throat, abdominal nausea, and symptoms of intoxication. In extreme cases unconsciousness and death may occur.
Carcinogenicity:	Not listed
Other Toxic Information:	N/A
Reproductive Toxicity:	N/A
Teratogenicity:	N/A
Embryotoxicity:	N/A
Mutagenicity:	N/A
Name of Synergistic Products/Effects:	N/A

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SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity:	N/A
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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:	Flammable Liquid N.O.S. (Contains: Tertiary Butyl Acetate), UN1993, Class 3 , PG III
PIN:	1993
TDG:	Flammable Liquid N.O.S. (Contains: Tertiary Butyl Acetate), UN1993, Class 3 , PG III
DOT:	Flammable Liquid N.O.S. (Contains: Tertiary Butyl Acetate), UN1993, Class 3 , PG III
IMO:	N/A
ICAO:	N/A
ERAP:	N/A

SECTION 15: REGULATORY INFORMATION

OSHA Regulated:	See Section 02
NTP:	N/A
IARC Monograph:	None
NFPA Rating:	Health = 1, Fire = 3, Instability = 0

SECTION 16: OTHER INFORMATION

Regulatory Warning:	US Federal Warning: Section 311, 312 Supplier Notification: This product contains the following toxic chemicals subject to the reporting requirements of SARA TITLE III, Section 311, 312 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:		
	CAS#	Chemical Name	% by Weight
	540-88-5	Tertiary Butyl Acetate	80-95