


# SAFETY DATA SHEET

FABRISHIELD® 900-E

## SECTION 01 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier	Fabrishield® 900-E
Recommended Use	Masonry Water Repellent
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	23 August 2018
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
Label Elements	
Symbols	
Signal Words	Danger
Hazard Statements	H314 Causes severe skin burns and eye damage.
Precautionary Statements	P260 Do not breathe mist, vapours or spray. P264 Wash hands thoroughly after handling. P280 Wear protective gloves, protective clothing, eye protection, and face protection. 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. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310 Immediately call a POISON CENTER or doctor/physician. P390 Absorb spillage to prevent material damage. P363 Wash contaminated clothing before reuse. P405 Store locked up. P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/container in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.
Other Hazards	

## SECTION 03 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS#	OSHA PEL	ACGIH TLV
Tripotassium Propylsilanetriolate	2-5	93857-00-2	N/A	N/A
Potassium Hydroxide	<1	1310-58-3	N/A	2 mg/m <sup>3</sup>

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## SECTION 04 FIRST AID MEASURES

<b>Route of Exposure</b>	
<b>Inhalation</b>	Remove victim to fresh air. Only give artificial respiration if breathing has stopped. If breathing is difficult, give oxygen. Seek medical attention.
<b>Skin Contact</b>	Remove contaminated clothing. Wash affected area with lukewarm water for at least 15 minutes. If irritation persists, repeat flushing. Seek immediate medical attention. Thoroughly wash clothing and shoes before reuse.
<b>Eye Contact</b>	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 10 minutes, while holding the eyelid(s) open. If a contact lens is present, remove only if easy to do so. Seek immediate medical attention.
<b>Ingestion</b>	NEVER give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. Have victim rinse mouth thoroughly with water and drink plenty of water in small sips. DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim rinse mouth with water again. Seek immediate medical attention.
<b>Most Important Symptoms &amp; Effects</b>	<b>Symptoms/effects:</b> None known
<b>Immediate Medical Attention &amp; Special Treatment</b>	Obtain medical assistance. If substance has been swallowed, apply therapy for chemical burn. Early endoscopy is recommended in order to assess mucosa lesions in the esophagus and stomach which may appear. If necessary, suck away left over substances.

## SECTION 05 FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
<b>Unsuitable Extinguishing Media</b>	Do not use a heavy water stream.
<b>Hazardous Combustion Products</b>	Not flammable.
<b>Special Fire Fighting Procedures</b>	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 06 ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, Protective Equipment, and Emergency Procedures</b>	Wear appropriate personal protective equipment (impervious gloves, safety glasses, protective clothing, face-shield). Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so.
<b>Methods and Materials for Containment and Cleaning Up</b>	SMALL SPILLS: Contain and soak up spill with absorbent material which does not react with spilled chemical. Put material in suitable, covered, labeled containers. Flush area with water. Do not get water inside containers. Contaminated absorbent material may pose the same hazards as the spilled product. LARGE SPILLS: Contact fire and emergency services and supplier for advice.

## SECTION 07 HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	Provide sufficient ventilation and exhaust at the workplace. Ventilators required at emission site. Do not breathe in vapours, aerosols, sprays.
<b>Conditions for Safe Storage</b>	Store in a cool, dry, well-ventilated area, out of direct sunlight and away from heat sources. Keep quantity stored as small as possible. Drums should

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	be vented when received and then at least weekly to relieve internal pressure. Do not store near acids.
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## SECTION 08 EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Limits</b>	<b>ACGIH TLV</b>	2 mg/m <sup>3</sup>
	<b>OSHA PEL</b>	None
	<b>Other</b>	
<b>Engineering Controls</b>	<b>General</b>	Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements.
	<b>Local Exhaust</b>	Supply sufficient replacement air to make up for air removed by exhaust systems.
	<b>Other</b>	Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.
<b>Personal Protective Equipment</b>	<b>Gloves</b>	Impervious gloves of chemically resistant material (rubber or PVC) should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.
	<b>Respirator</b>	NIOSH/OSHA approved.
	<b>Eye</b>	Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled. Contact lenses should not be worn; they may contribute to severe eye injury.
	<b>Footwear</b>	Impervious footwear of chemically resistant material (rubber or PVC) should be worn at all times.
	<b>Clothing</b>	RECOMMENDED (resistance to breakthrough longer than 8 hours): Butyl rubber, Neoprene rubber, Viton™, Viton™/Butyl rubber.
	<b>Other</b>	

## SECTION 09 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Liquid, colorless to light yellow.
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not determined
<b>pH</b>	>12
<b>Melting/Freezing Point</b>	No data available
<b>Initial Boiling Point/Range</b>	105°C
<b>Flash Point</b>	N/A
<b>Evaporation Rate (n-butyl acetate = 1)</b>	Not determined
<b>Flammability</b>	Non-flammable
<b>Lower Flammable/Explosive Limit</b>	N/A
<b>Upper Flammable/Explosive Limit</b>	N/A
<b>Vapour Pressure</b>	N/A
<b>Vapour Density (air = 1)</b>	1.14 @ 20°C
<b>Relative Density</b>	1.05 – 1.1
<b>Solubility</b>	Completely miscible
<b>Partition Coefficient (n-octanol/water)</b>	N/A
<b>Auto-Ignition Temperature</b>	N/A

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Decomposition Temperature	Not determined
Viscosity	No data available

## SECTION 10 STABILITY AND REACTIVITY

Reactivity	No dangerous reaction known under conditions of normal use.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Exothermic reaction with acids.
Conditions to Avoid	High temperatures. Incompatibles.
Incompatible Material	Acids.
Hazardous Decomposition Products	None known.

## SECTION 11 TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation, Skin, Eyes, Ingestion		
Symptoms of Acute Exposure	<b>Skin Corrosion/Irritation</b> Corrosive. Contact may produce severe irritation or corrosive skin damage. <b>Ingestion</b> Causes severe burns of the mouth, esophagus, and stomach, with consequent pain. <b>Inhalation</b> Respiratory irritation. <b>Serious Eye Damage/Irritation</b> Risk of serious damage to eyes. <b>Respiratory or Skin Sensitization</b> Not determined.		
Symptoms of Chronic Exposure	No toxicological tests have been conducted with the product itself.		
Irritancy of Product	Respiratory tract, skin and eye irritant.		
Other Toxicological Information			
Ingredient	LD <sub>50</sub> (Rat)	LC <sub>50</sub> (Rat)	TLV
Tripotassium propylsilanetriolate	5,170 mg/kg	22.2 mg/l (4 hour aerosol)	N/A
Potassium Hydroxide	333-388 mg/kg	N/A	2 mg/m <sup>3</sup>

## SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity	No ecotoxicological studies are available on the mixture.
Persistence & Degradability	No data available
Bioaccumulative Material	No data available
Mobility in Soil	No data available
Other Adverse Effects	No ecotoxicological studies are available on the mixture.

## SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.
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## SECTION 14 TRANSPORT INFORMATION

Shipping Name	Proper Shipping Name: Corrosive Liquid, Basic, Inorganic, N.O.S.(Tripotassium Propylsilanetriolate, Potassium Hydroxide) Hazard Class: 8 ID Number: UN 3266 Packing Group: II
TDG	UN 3266 Corrosive Liquid, Basic, Inorganic, N.O.S. (Tripotassium Propylsilanetriolate, Potassium Hydroxide), Class 8, PG II

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<b>DOT</b>	UN 3266 Corrosive Liquid, Basic, Inorganic, N.O.S.(Tripotassium Propylsilanetriolate, Potassium Hydroxide), Class 8, PG II
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## **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.
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## **SECTION 16 OTHER INFORMATION**

<b>Date of Latest Revision</b> 21 February 2020
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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