

MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER	▶ FAB-SOL SP	PRODUCT IDENTIFICATION NUMBER (PIN)	1993
PRODUCT USE	▶ Concrete Set Retarder		
MANUFACTURER'S NAME	FABRIKEM MANUFACTURING LTD.	SUPPLIER'S NAME	
STREET ADDRESS	20361 Duncan Way	STREET ADDRESS	
CITY	Langley	PROVINCE	B.C.
POSTAL CODE	V3A 7N3	EMERGENCY PHONE NO.	604-532-3883

SECTION 2 — HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	% (W/W)	CAS NUMBER	LD ₅₀ OF INGREDIENT	LC ₅₀ OF INGREDIENT
Xylene	35 - 45	1330-20-7	4300 mg/kg (Rat/Oral)	6500 ppm (Rat/Inhalation)
Isopropanol	10 - 15	67-63-0	5840 mg/kg (Rat/Oral)	16,000 ppm (Rat/Inhalation)
Boric Acid	5 - 10	10043-35-3	3500-4100 mg/kg (Rat/Oral)	No Data

SECTION 3 — PHYSICAL DATA

PHYSICAL STATE	Liquid	ODOUR AND APPEARANCE	Aromatic hydrocarbon odour; strawberry to purple viscous liquid	ODOUR THRESHOLD (ppm)	1-35 ppm
VAPOUR PRESSURE (mm Hg)	33 @ 20°C	VAPOUR DENSITY (AIR = 1)	2.1	EVAPORATION RATE (nBuAc = 1)	1.4
pH	Not Applicable	SPECIFIC GRAVITY	0.95	BOILING POINT (°C)	83
		COEFFICIENT OF WATER/OIL DISTRIBUTION	No Data	FREEZING POINT (°C)	N/A
				WHMIS CLASSIFICATION	B-2; D2b

SECTION 4 — FIRE AND EXPLOSION DATA

FLAMMABILITY	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF YES, ▶	Vapours are flammable. Avoid sources of ignition, flame, spark, or static discharge. Empty containers may contain explosive vapours.			
MEANS OF EXTINCTION	Foam, Carbon Dioxide, Dry Chemical				
FLASHPOINT (°C) AND METHOD	12 (T.C.C)	UPPER FLAMMABLE LIMIT (% BY VOLUME)	12	LOWER FLAMMABLE LIMIT (% BY VOLUME)	2
AUTOIGNITION TEMPERATURE (°C)	Not established	HAZARDOUS COMBUSTION PRODUCTS	Oxides of carbon		
EXPLOSION DATA	▶ SENSITIVITY TO IMPACT	No	SENSITIVITY TO STATIC DISCHARGE	Yes, static accumulator, keep well grounded.	

SECTION 5 — REACTIVITY DATA

CHEMICAL STABILITY	Avoid sources of ignition.
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF NO, ▶	
UNDER WHICH CONDITIONS?	
INCOMPATIBILITY WITH OTHER SUBSTANCES	Avoid contact with strong oxidizing agents, strong acids or alkalis, amines, and potassium.
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF SO, ▶	
WHICH ONES?	
REACTIVITY, AND UNDER WHAT CONDITIONS	No.
HAZARDOUS DECOMPOSITION MATERIALS	Oxides of carbon from combustion.

PRODUCT IDENTIFIER ► FAB-SOL SP

SECTION 6 — TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY SKIN CONTACT SKIN ABSORPTION EYE CONTACT INHALATION INGESTION

EFFECTS OF ACUTE EXPOSURE TO PRODUCT EYES: Moderate irritant; may cause reversible injury. SKIN: Moderate irritant; may cause dermatitis and allergic responses. INHALATION: Respiratory irritant and intoxicant; Overexposure shown by headache, dizziness and confusion to coma; material aspirated into lungs may cause chemical pneumonitis. INGESTION: May cause irritation of mouth, throat and stomach; symptoms include nausea, abdominal pain and possible collapse. **NOTE:** Pre-existing pulmonary and dermatological disorders may be aggravated by exposure to hazardous components.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT Studies suggest that solvent chronic overexposure and/or systemic toxicity effects are targeted at the kidneys and central nervous system. Repeated and prolonged skin contact may cause a pronounced sensitization effect.

EXPOSURE LIMITS (TLV) TLV: 100 ppm	IRRITANCY OF PRODUCT EYES: moderate irritant. SKIN: moderate irritant. INHALATION: respiratory irritant.	SENSITIZATION OF PRODUCT Chronic overexposure may cause sensitization.	CARCINOGENICITY No Data
TERATOGENICITY No Data	REPRODUCTIVE TOXICITY Not suspected	MUTAGENICITY No Data	SYNERGISTIC PRODUCTS No Data

SECTION 7 — PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT
Care should be taken to avoid inhalation of vapours and contact of product with skin or eyes.

GLOVES Impervious rubber or nitrile	RESPIRATOR Organic vapour cartridge at levels above TLV or SCBA	EYE PROTECTION Chemical Safety Goggles
FOOTWEAR Impervious	CLOTHING Impervious	OTHER Accessible eye wash

ENGINEERING CONTROLS
Use only with adequate ventilation. Local exhaust as needed to control vapour levels below recommended limits.

LEAK AND SPILL PROCEDURE
Ventilate area. Wear appropriate protective equipment during cleanup. Eliminate sources of ignition. Shut off source of leak if safe to do so. Dike or contain spill. Absorb with inert material such as vermiculite. Sweep or shovel into containers with lids. Cover loosely and remove to appropriate waste area. Wash spill area with soap and water. Prevent washings from entering waterways.

WASTE DISPOSAL
Review all local, provincial, and federal regulations concerning health and pollution for appropriate disposal procedures.

HANDLING PROCEDURES AND EQUIPMENT
Tightly reseal all partially used containers.

STORAGE REQUIREMENTS
Store away from sources of ignition.

SPECIAL SHIPPING INFORMATION
T.D.G. Classification: FLAMMABLE LIQUID N.O.S. (CONTAINS: ISOPROPANOL AND XYLENE); CLASS 3; UN 1993; PACKING GROUP II

SECTION 8 — FIRST AID MEASURES

SPECIFIC MEASURES
EYES: Flush with plenty of water for at least 15 minutes. Obtain immediate medical attention.
SKIN: Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Consult a physician.
INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. Administer artificial respiration if not breathing. Obtain medical attention.
INGESTION: **DO NOT INDUCE VOMITING.** Give water or milk if victim is conscious and not drowsy. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into lungs. Obtain immediate medical attention.

SECTION 9 — PREPARATION OF MSDS

PREPARED BY W.H.M.I.S. Committee	PHONE NUMBER (604) 532-3883	DATE
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