

MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER	FABRIKEM® MASONRY CLEANER TYPE W	PRODUCT IDENTIFICATION NUMBER (PIN)	1786
PRODUCT USE	Masonry cleaning compound		
MANUFACTURER'S NAME	FABRIKEM MANUFACTURING LTD.	SUPPLIER'S NAME	
STREET ADDRESS	20361 Duncan Way	STREET ADDRESS	
CITY	Langley	CITY	
PROVINCE	B.C.	PROVINCE	
POSTAL CODE	V3A 7N3	POSTAL CODE	
EMERGENCY PHONE NO.	(604)532-3883	EMERGENCY PHONE NO.	

SECTION 2 — HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	% (W/W)	CAS NUMBER	LD ₅₀ OF INGREDIENT	LC ₅₀ OF INGREDIENT
Hydrofluoric Acid	5 - 10	7664-39-3	No Data Found	638 ppm (4hr./Rat)
O-Phosphoric Acid	5 - 10	7664-38-2	1530 mg/kg (Rat/Oral)	> 850 mg/m ³ (1hr./Rat)
Sulphuric Acid	5 - 10	7664-93-9	2140 mg/kg (Rat/Oral)	510 mg/m ³ (2 hr./Rat)
Oxalic Acid	1 - 5	144-62-7	375 mg/kg (Rat/Oral)	No Data

SECTION 3 — PHYSICAL DATA

PHYSICAL STATE	Liquid	ODOUR AND APPEARANCE	Pungent, acidic odour. Water clear liquid.	ODOUR THRESHOLD (ppm)	1-35 ppm
VAPOUR PRESSURE (mm Hg)	22 @ 20°C	VAPOUR DENSITY (AIR = 1)	1.26 (HF)	EVAPORATION RATE (nBuAc = 1)	Not Established
				BOILING POINT (°C)	110
				FREEZING POINT (°C)	-15
pH	< 1	SPECIFIC GRAVITY	1.12	COEFFICIENT OF WATER/OIL DISTRIBUTION	No Data
				WHMIS CLASSIFICATION	D1a; E

SECTION 4 — FIRE AND EXPLOSION DATA

FLAMMABILITY	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> IF YES, UNDER WHAT CONDITIONS?			
MEANS OF EXTINCTION	Use media for surrounding fire and compatible with acid.			
FLASHPOINT (°C) AND METHOD	Not Applicable	UPPER FLAMMABLE LIMIT (% BY VOLUME)	Not Applicable	
		LOWER FLAMMABLE LIMIT (% BY VOLUME)	Not Applicable	
AUTOIGNITION TEMPERATURE (°C)	Not Available	HAZARDOUS COMBUSTION PRODUCTS	None	
EXPLOSION DATA	SENSITIVITY TO IMPACT	NO	SENSITIVITY TO STATIC DISCHARGE	NO

SECTION 5 — REACTIVITY DATA

CHEMICAL STABILITY	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF NO, UNDER WHICH CONDITIONS?	
INCOMPATIBILITY WITH OTHER SUBSTANCES	Alkalis, cyanides, sulfides, most metals, or any chlorine releaser.	
	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF SO WHICH ONES?	
REACTIVITY, AND UNDER WHAT CONDITIONS	Never add water to acid always add acid to water for dilution. Contact with metals can evolve hydrogen gas.	
HAZARDOUS DECOMPOSITION MATERIALS	Carbon monoxide, carbon dioxide, hydrogen fluoride gas, hydrogen gas, toxic oxides of phosphorus.	

PRODUCT IDENTIFIER	▶ FABRIKEM® MASONRY CLEANER TYPE W
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SECTION 6 — TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY	SKIN CONTACT <input checked="" type="checkbox"/>	SKIN ABSORPTION <input checked="" type="checkbox"/>	EYE CONTACT <input checked="" type="checkbox"/>	INHALATION <input checked="" type="checkbox"/>	INGESTION <input checked="" type="checkbox"/>
EFFECTS OF ACUTE EXPOSURE TO PRODUCT Extremely hazardous liquid and vapour. Severe inhalation, skin, and eye hazard. Severe burns which may not be immediately painful or visible. Destructive to tissue					
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT May cause fluorosis. May cause erosion of teeth, lesions of skin, bronchial irritation, coughing, and pneumonia.					
EXPOSURE LIMITS (TLV) TLV:3 ppm (HF)	IRRITANCY OF PRODUCT EYES: acute irritant. SKIN: acute irritant. INHALATION: respiratory irritant.	SENSITIZATION OF PRODUCT Not Established		CARCINOGENICITY No Data	
TERATOGENICITY No Data	REPRODUCTIVE TOXICITY Not suspected	MUTAGENICITY No Data		SYNERGISTIC PRODUCTS No Data	

SECTION 7 — PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT Eye wash station and chemical safety shower.		
GLOVES Impervious rubber or neoprene	RESPIRATOR Cartridge for < 50 ppm, SCBA	EYE PROTECTION Chemical Safety Goggles
FOOTWEAR Impervious rubber boots	CLOTHING Impervious, acid resistant	OTHER Accessible eye wash
ENGINEERING CONTROLS Provide general and local exhaust ventilation to meet TLV.		
LEAK AND SPILL PROCEDURE Wear protective gear to avoid contact or inhalation. Mop or wipe up small spills (do not allow spill to enter storm sewers or contaminate ground water). Alternative method is to dike spill area, soak up with absorbant material and dispose of in an approved manner.		
WASTE DISPOSAL Review all local, provincial, and federal regulations concerning health and pollution for appropriate disposal procedures.		
HANDLING PROCEDURES AND EQUIPMENT Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. When diluting, slowly add cleaner to water to avoid splattering.		
STORAGE REQUIREMENTS Store in a cool dry, well ventilated place away from incompatible substances. Keep containers tightly closed.		
SPECIAL SHIPPING INFORMATION T.D.G. Classification: HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE; CLASS 8 (6.1); UN 1786; PACKING GROUP I		

SECTION 8 — FIRST AID MEASURES

SPECIFIC MEASURES EYES: Immediately flush with plenty of water for at least 30 minutes, lifting the eyelids occasionally. Obtain immediate medical attention. SKIN: If contact is even suspected, first aid should be started immediately. Call physician immediately. Immediately flush with large quantities of water for at least 15 minutes, while removing contaminated clothing. Pay particular attention to skin under nails. Immerse and soak contaminated area in a 0.13% iced benzalconium chloride solution for 30-60 minutes. If this solution is not available, continue washing until medical attention is obtained. Get immediate medical attention. 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. Dilute by drinking large quantities of water or milk. 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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