

MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT IDENTIFICATION AND USE

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| PRODUCT IDENTIFIER | ▶ FAB-SOL F | PRODUCT IDENTIFICATION NUMBER (PIN) | |
| 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 |
| POSTAL CODE | | EMERGENCY PHONE NO. | |

SECTION 2 — HAZARDOUS INGREDIENTS

| HAZARDOUS INGREDIENTS | % (W/W) | CAS NUMBER | LD ₅₀ OF INGREDIENT | LC ₅₀ OF INGREDIENT |
|-----------------------|---------|------------|--------------------------------|--------------------------------|
| Boric Acid | 2 - 3 | 10043-35-3 | >3500 mg/kg (Rats-Oral) | Not Established |
| Citric Acid | 1 - 2 | 77-92-9 | 5040 mg/kg (Rats-Oral) | Not Established |
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SECTION 3 — PHYSICAL DATA

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| PHYSICAL STATE | Liquid | ODOUR AND APPEARANCE | Sweet odour, brown/amber liquid | | ODOUR THRESHOLD (ppm) | Not Estab. | | | |
| VAPOUR PRESSURE (mm Hg) | Same as water | VAPOUR DENSITY (AIR = 1) | < 1 | EVAPORATION RATE (nBuAc = 1) | < 1 | BOILING POINT (°C) | 100 | FREEZING POINT (°C) | 0 |
| pH | 4.5 - 5.0 | SPECIFIC GRAVITY | 1.06 | COEFFICIENT OF WATER/OIL DISTRIBUTION | No Data | WHMIS CLASSIFICATION | Not Regulated | | |

SECTION 4 — FIRE AND EXPLOSION DATA

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| FLAMMABILITY | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> IF YES, UNDER WHAT CONDITIONS? ▶ | | | | | | |
| MEANS OF EXTINCTION | Use appropriate media for surrounding materials | | | | | | |
| FLASHPOINT (°C) AND METHOD | Not Applicable | UPPER FLAMMABLE LIMIT (% BY VOLUME) | Not Applicable | | LOWER FLAMMABLE LIMIT (% BY VOLUME) | Not Applicable | |
| AUTOIGNITION TEMPERATURE (°C) | Not Established | HAZARDOUS COMBUSTION PRODUCTS | Oxides of carbon | | | | |
| EXPLOSION DATA | ▶ SENSITIVITY TO IMPACT | | No | SENSITIVITY TO STATIC DISCHARGE | | No | |

SECTION 5 — REACTIVITY DATA

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| CHEMICAL STABILITY | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF NO UNDER WHICH CONDITIONS? ▶ | |
| INCOMPATIBILITY WITH OTHER SUBSTANCES | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> IF SO, WHICH ONES? ▶ | |
| REACTIVITY, AND UNDER WHAT CONDITIONS | No. | |
| HAZARDOUS DECOMPOSITION MATERIALS | Oxides of carbon from combustion. | |

PRODUCT IDENTIFIER ► FAB-SOL F

SECTION 6 — TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY SKIN CONTACT SKIN ABSORPTION EYE CONTACT INHALATION INGESTION

EFFECTS OF ACUTE EXPOSURE TO PRODUCT May cause eye, skin, or respiratory tract irritation; inhalation may cause nausea, headaches, or gastrointestinal irritation.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT Eye, skin, or respiratory tract irritation.

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| EXPOSURE LIMITS (TLV) Not Established | IRRITANCY OF PRODUCT EYES: mild irritant. SKIN: mild irritant. | SENSITIZATION OF PRODUCT No Evidence | CARCINOGENICITY No Data |
| TERATOGENICITY No Data | REPRODUCTIVE TOXICITY Not suspected | MUTAGENICITY No Data | SYNERGISTIC PRODUCTS No Data |

SECTION 7 — PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

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|------------------------|------------------------|----------------------------------|
| GLOVES Impervious | RESPIRATOR No | EYE PROTECTION Safety Goggles |
| FOOTWEAR Impervious | CLOTHING Impervious | OTHER |

ENGINEERING CONTROLS
General room ventilation

LEAK AND SPILL PROCEDURE
Dike spill area, soak up with absorbent 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.

STORAGE REQUIREMENTS
Protect from freezing.

SPECIAL SHIPPING INFORMATION
T.D.G. Classification: NOT REGULATED

SECTION 8 — FIRST AID MEASURES

SPECIFIC MEASURES
EYES: Flush with plenty of water for at least 15 minutes. Obtain medical attention if irritation persists.
SKIN: Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Obtain medical attention if irritation persists.
INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. Administer artificial respiration if not breathing. Obtain medical attention.
INGESTION: Induce vomiting. Give water if victim is conscious and not drowsy. Obtain immediate medical attention.

SECTION 9 — PREPARATION OF MSDS

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