



MATERIAL SAFETY DATA SHEET

PRODUCT INFORMATION

TRADE NAME:

Conducrete™ DM100

SUPPLIER:SAE Inc.
19 CHURCHILL DRIVE
BARRIE, ONTARIO, CANADA L4N 8Z5**PRODUCT USE:**

Electrical grounding and anti-corrosive coating

CHEMICAL FAMILY:

Mixture of carbon and portland cement

TELEPHONE:PHONE: (705) 733-3307
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HAZARDOUS INGREDIENTS

	CAS. NO.	ACUTE LETHALITY
Carbon	7440-44-0	LD50 ivn-mus 440/mg/kg
Portland Cement	65997-15-1	Not available

PHYSICAL DATA

PHYSICAL STATE:	Solid
SOLUBILITY IN WATER:	Insoluble
APPEARANCE AND ODOUR:	Gray powder, no odor.

FIRE or EXPLOSION HAZARD

FLASH POINT:	Carbonic matter: May burn if exposed to temperatures above 1290 deg F (700 deg C)
SPECIAL FIRE FIGHTING PROCEDURES:	Fire fighters should wear self contained breathing apparatus and full protective clothing. Water will set up product.
EXPLOSION DATA:	Fine powders and dusts may cause an explosion hazard under certain conditions; these conditions are unlikely during normal use.
SENSITIVITY to MECHANICAL IMPACT:	No
SENSITIVITY to STATIC DISCHARGE:	No



REACTIVITY DATA

STABILITY: This product is stable in a closed container under normal conditions of storage and use.

INCOMPATIBLE MATERIALS: May react with some metals, oxidants, acids, bromates, chlorates and iodates.

CONDITIONS of REACTIVITY: Product is not considered dangerously reactive.

HAZARDOUS DECOMPOSITION PRODUCTS: Heating or burning of the product releases toxic and irritating vapors and gases.

TOXICOLOGICAL PROPERTIES

OCCUPATIONAL EXPOSURE LIMITS:

REGULATION RESPECTING CONTROL OF CHEMICAL AND BIOLOGICAL AGENTS (Ont. Reg. 654/86)

	TWAEV	STEV	CEV
Carbon	3.3 mg/m ³		
Portland cement	10.0 mg/m ³		

ACUTE EFFECTS: This product is alkaline and can cause burns when moist. Contact with this product should be avoided, eye, skin and mucous membrane irritant.

EYE: Direct eye contact with the product may cause injuries.

SKIN: Contact with the product may result in irritation and/or dermatitis. Perspiration on the skin combined with this product may be sufficient to cause burns.

INHALATION: Inhalation of dust from this product may result in irritation.

INGESTION: Ingestion is likely to cause irritation and cramps, possibly nausea and diarrhea.

CHRONIC EFFECTS: Prolonged or repeated contact may cause irritation and/or dermatitis. Hypersensitive individuals may develop an allergic dermatitis.

FIRST AID

EYE: Immediately flush eyes with running water for a minimum of 20 minutes by the clock while forcing eyelids open during flushing. Obtain medical attention immediately after flushing.

SKIN: Wash affected areas with soap and running water while removing contaminated clothing. Launder contaminated clothing before reuse.

INHALATION: Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

INGESTION: Get immediate medical attention. If conscious, give 2 glasses of water or milk. Do not give anything by mouth to an unconscious or convulsing person. Do not induce vomiting.



PREVENTIVE MEASURES

ENGINEERING CONTROLS:	General mechanical and local exhaust ventilation to maintain airborne concentrations below occupational exposure limits.
HANDLING PROCEDURES AND EQUIPMENT:	Avoid all personal contact with this product. Avoid breathing dusts. Do not use this product in a confined space without adequate local exhaust ventilation. Washing facilities should be readily available when using this product. Wash thoroughly after handling.
STORAGE REQUIREMENTS:	Store in a dry, well ventilated area. Protect containers from damage or water.
PERSONAL PROTECTIVE EQUIPMENT:	
EYES:	Chemical goggles.
SKIN:	Rubber gloves and long sleeves.
RESPIRATORY:	Wear a NIOSH approved dust respirator appropriate for airborne concentrations.
SPILL or LEAK PROCEDURE:	Avoid all personal contact. Wear protective equipment listed above. Shut off source of leak if safe to do so. Contain spill. Shovel, sweep or vacuum up spilled material. Avoid producing dust. Shovel into containers.
WASTE DISPOSAL:	Reuse or landfill solids in accordance with local, provincial or federal regulations.
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