

MATERIAL SAFETY DATA SHEET

MR400 CONCRETE REMOVER

1. PRODUCT AND COMPANY INFORMATION

Krown
35 Magnum Drive
Schomberg, ON L0G 1T0

USE: Removal of concrete from equipment
EMERGENCY PHONE: (613)996-6666 (collect)
CHEMICAL FAMILY: Blended Product

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>HAZARDOUS INGREDIENT</u>	<u>%W/W</u>	<u>PIN/CAS#</u>	<u>LD50/LC50</u>	<u>ROUTE/SPECIES</u>
2-Hydroxypropanoic acid	40-70	50-21-5	LD50 3543 mg/kg	oral/rat
Ethylene glycol monobutyl ether	5-15	111-76-2	LD50 1746 mg/kg	oral/rat

3. HAZARDS IDENTIFICATION

EFFECTS OF ACUTE EXPOSURE TO MATERIAL: EYES: May cause irreversible eye injury.

Causes severe eye irritation and burns.

SKIN: Can cause skin irritation/reddening. INGESTION: Harmful if swallowed. Accidental ingestion may cause nausea, diarrhea and digestive tract burns.

INHALATION: Breathing mist may cause irritation of the throat, upper respiratory tract or other mucous membrane areas. Has a low vapour pressure and inhalation exposures are not expected unless material is heated or misted.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: Target organs: Respiratory system, gastrointestinal system, eyes, skin.

PRIMARY ROUTE OF ENTRY: []-Inhalation []-Ingestion []-Absorption

OTHER TOXIC EFFECTS: Not established

4. FIRST AID MEASURES

EYES: Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately

SKIN: Flush affected area thoroughly with soap and water. Seek medical attention if irritation persists

INGESTION: Rinse mouth with water. Drink large volumes of water. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious patient. Contact a physician immediately

INHALATION: Move subject to fresh air

NOTES TO PHYSICIAN: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

FLAMMABLE: NO

FLASH POINT, CELSIUS: Not Applicable

AUTO IGNITION TEMPERATURE, CELSIUS: Not Applicable

EXTINGUISHING MEDIA: Use water spray, dry chemical, carbon dioxide, or appropriate foam.
SPECIAL FIRE FIGHTING PROCEDURES: As appropriate to surrounding fire
EXPLOSIVE SENSITIVITY TO: Not Applicable

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURE: SMALL: Hose down with copious amounts of water
LARGE: Flush to holding tank and neutralize with MILD alkaline material before disposal.

7. HANDLING AND STORAGE

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Wear gloves if handling concentrated product. Avoid breathing mist or spray. Avoid contact with skin and eyes. Do not take internally. Do not allow concentrate to dry on paint surfaces or on glass
STORAGE REQUIREMENT: Avoid freezing. Store in a cool dry area in a closed container

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT: GLOVES: Impermeable Gloves
EYE PROTECTION: Safety Goggles FOOTWEAR: Rubber Boots
RESPIRATORY PROTECTION: Not required for normal use
VENTILATION REQUIREMENTS: Local ventilation
OTHER: Rubber apron or suit, face shield

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>APPEARANCE:</u>	Clear Amber Liquid	<u>S.G. / DENSITY</u> (g/cc):	1.135
<u>PH: (Concentrate):</u>	1.2-1.4	<u>VAPOUR PRESSURE</u> (mmHg @ 25°C):	0.7
<u>VAPOUR DENSITY</u> (air=1):	N/AV	<u>SOLUBILITY IN</u> WATER:	Soluble
<u>FREEZING POINT:</u>	0° C	<u>BOILING POINT:</u>	115°C

10. STABILITY AND REACTIVITY

INCOMPATIBILITY (Material to Avoid): OVEREXPOSURE: Darkens Aluminum, Tin, Zinc.
ETCHES: Anodized Aluminum and Glass if left to dry.
STABILITY: Stable INCOMPATIBILITY: Acidic Materials
HAZARDOUS DECOMPOSITION PRODUCTS: O₂, CO₂, H₂SO₄, acrid smoke
REACTIVITY: Not dangerously reactive

11. TOXICOLOGICAL INFORMATION

LD50 (Calculated): 4400 mg/kg (Oral/Rat) LC50 (Calculated): Not established

12. ECOLOGICAL INFORMATION

SPILL PROCEDURE: SMALL: Hose down with copious amounts of water
LARGE: Flush to holding tank and neutralize with MILD alkaline before disposal.
WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations

14. TRANSPORT INFORMATION

TDG: Organic Acid, N.O.S. (2-Hydroxypropanoic acid) UN 3265 Class 8 Packing Group III

15. REGULATORY INFORMATION

WHMIS CLASS: E

CPR Compliance: This product has been classified in accordance with hazard criteria of the CPR and this MSDS contains all the information required by the CPR

16. OTHER INFORMATION

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