

MATERIAL SAFETY DATA SHEET

MP21 POWER CLEAN

1. PRODUCT AND COMPANY INFORMATION

Krown
245 Creditstone Rd
Concord, ON L4K 1N6

USE: Power Wash / All-Purpose Cleaner/Degreaser
EMERGENCY PHONE: (613)996-6666 (collect)
CHEMICAL FAMILY: Blended Product

2. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	%W/W	PIN/CAS#	LD50/LC50	ROUTE/SPECIES
Linear Alkyl Benzyl Sulfonate	1-5	25155-30-0	LD50 650 mg/kg	oral/rat
Ethylene glycol monobutyl ether	5-15	111-76-2	LD50 1480 mg/kg	oral/rat
Potassium Hydroxide	1-5	1310-58-3	LD50 365 mg/kg	oral/rat
Sodium Metasilicate	1-5	6834-92-0	LD50 1153 mg/kg	oral/rat

3. HAZARDS IDENTIFICATION

EFFECTS OF ACUTE EXPOSURE TO MATERIAL: EYES: Corrosive – moderate irritation, tearing and discomfort. May cause temporary or permanent damage if not treated promptly

SKIN: Corrosive – Can cause skin irritation/reddening. Contains potassium hydroxide

INGESTION: Corrosive – Harmful if swallowed. Accidental ingestion may cause nausea, diarrhea and irritation of the intestinal lining

INHALATION: Breathing mist may cause irritation of the throat, upper respiratory tract or other mucous membrane areas

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: Long-term misuse resulting from airborne concentrations of mist or spray may cause damage to upper respiratory tract. Chronic effects may result in superficial destruction of skin tissue and dermatitis. Chronic eye exposure can lead to destruction of eye tissue to blindness. Target organs: Liver, kidney, lymphoid system, skin, blood, eyes and respiratory system. Diseases of these systems may be exacerbated by prolonged overexposure to this product

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, or if available several glasses of citrus juice. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious patient. Contact a physician immediately

INHALATION: Move subject to fresh air

5. FIRE FIGHTING MEASURES

FLAMMABLE: NO

FLASH POINT, CELSIUS: Not Applicable

AUTO IGNITION TEMPERATURE, CELSIUS: Not Applicable

EXTINGUISHING MEDIA: Water, Dry Chemical, CO₂

SPECIAL FIRE FIGHTING PROCEDURES: As appropriate to surrounding fire

HAZARDOUS COMBUSTION PRODUCTS: O₂, CO₂, H₂SO₂, acrid smoke

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 acidic 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 Green Liquid	<u>S.G. / DENSITY</u> (g/cc):	1.032
<u>PH: (Concentrate)</u> :	12.7-13.2	<u>VAPOUR PRESSURE</u> (mmHg):	16
<u>VAPOUR DENSITY</u> (air=1):	0.6	<u>SOLUBILITY IN</u> <u>WATER</u> :	Soluble
<u>FREEZING POINT</u> :	0° C	<u>BOILING POINT</u> :	100°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, H₂SO₂, acrid smoke

REACTIVITY: Not dangerously reactive

11. TOXICOLOGICAL INFORMATION

LD50 (Calculated): 3020 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 acidic 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: Corrosive, Potassium Hydroxide Solution UN 1814 Class 8 Packing Group III

15. REGULATORY INFORMATION

WHMIS CLASS: D2B, 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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PREPARATION DATE: January 8, 2007

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