

MATERIAL SAFETY DATA SHEET

Product Name: **Spot & Stain Remover**

Date: 03-Jun-03

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Supplied by: **KROWN RUST CONTROL SYSTEM**
247 CREDITSTONE ROAD
CONCORD ON L4K 1N6

Phone: (905) 738-6191
Fax: (905) 738-6190
Contact: Mr. Freeman Young

SECTION I

PRODUCT INFORMATION

Product usage: Remover for most water and oil based stains on carpets & upholstery
Product type: Water based organic-inorganic chemical blend
WHMIS Class: Flammable material, CLASS B-2; Toxic material, CLASS D-2B (Skin and Eye Irritant)
TDG Class: Not regulated.

SECTION II

HAZARDOUS INGREDIENTS

INGREDIENT	%	CAS#	TOXICITY
2-Butoxyethanol	1 - 10	111-76-2	LD50(oral rats) 1.5 g/kg; TLV 50 ppm Chronic: may cause blood changes, headache, drowsiness, dizziness, weakness, tremor
Isopropanol	10 - 25	67-63-0	LD50 (oral rats) 4.7 g/kg; TLV = 400 ppm LC50 (inhalation rat) 12000 ppm/8 hr.
Sodium Bisulfite	<1	7681-57-4	TLV = 5 ppm

SECTION III

PHYSICAL & CHEMICAL PROPERTIES

Appearance: Colourless liquid	Density (g/ml): 0.95
pH as is: 8 - 10	Freezing point: -10 Deg. C.
pH use dilution: 8 - 10	Boiling Point: 85 Deg. C.
Solubility in water: 100%	Evaporation Rate: Slightly faster than water.
Odour: Sweet Alcohol	Viscosity: As water.

SECTION IV

FIRE AND EXPLOSION HAZARDS

Flash point: 32 - 35 Deg. C.
Flammability: LEL: 2.0% UEL: 12%
Combustion products: Oxides of carbon.
To Extinguish: Water fog, carbon dioxide, dry chemical
Other: None

SECTION V

HEALTH HAZARD DATA

Effects of Acute Exposure to:

Skin: May cause skin irritation, defatting, chapping, dermatitis.
Eyes: Irritating and may cause corneal injury.
Ingestion: Accidental ingestion may cause burning pain in mouth, esophagus and stomach.
Inhalation: If misted, causes irritation of mucous membranes, coughing. Use coarse spray, avoid breathing vapours.
Other: On chronic skin exposure, 2-butoxyethanol may be absorbed causing blood changes as listed for pure chemical. Effect is expected to be reduced due concentration in product and limited exposure. No carcinogenicity, mutagenicity, teratogenicity, reproductive effects reported for ingredients.

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SECTION V

HEALTH HAZARD DATA

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First Aid Procedures...

- Skin:** Remove contaminated clothing immediately. Wash exposed areas with running water. Call a physician if necessary.
- Eyes:** Flush with water running water for 20 minutes lifting the upper and lower eyelids occasionally. Remove contact lenses. If irritation persists, get medical attention.
- Ingestion:** Do not induce vomiting. If victim is alert and not convulsing, give 1-2 glasses of water to dilute material. Immediately contact local poison control centre. Vomiting should be induced under the direction of a physician or a poison control centre. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. Immediately transport victim to an emergency facility.
- Inhalation:** Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse. Obtain medical advice immediately.

SECTION VI

REACTIVITY DATA

Product is stable. Hazardous polymerization will not occur. Do not mix with strong acids, alkalis; oxidizing and reducing agents. Do not mix with chlorine bleach.

SECTION VII

CLEANUP OF SPILLS OR LEAKS

- Disposal method:** Flush contaminated area with plenty of water. Contaminated material should not be placed in original container. For large spills, check with local environmental department, and government authorities.

SECTION VIII

SPECIAL PROTECTION

- Ventilation:** Normal building ventilation is adequate.
- Breathing Protection:** Suitable breathing mask or respirator if mists or vapours are present.
- Skin Protection:** Rubber gloves, rubber boots, or barrier cream if contact is expected.
- Eye Protection:** Safety glasses with side shields when there is potential for eye contact

SECTION IX

SPECIAL PRECAUTIONS

As with all chemicals there are known and unknown effects on humans. Minimize exposure of all chemicals, including this product, to skin, respiratory system, and eyes. Keep out of reach of children. Avoid contamination of food. Wash thoroughly after handling. Store in cool dry area. Do not freeze.

References: Suppliers Material Safety Data Sheets.

Prepared by: Technical Dept.

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