



MATERIAL SAFETY DATA SHEET

Page 1 of 4

SECTION 1 - COMPANY INFORMATION

Carpet Stain Remover

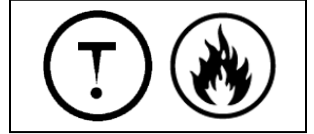
TDG Class: Not Controlled

Supplier name and address:

Corporate Chemicals & Equipment
7 Neilson Street
St. Catharines, ON L2M 5V9
(905) 682-8888

Manufacturer's name and address

Refer to Supplier



Emergency Telephone# CANUTEC (613) 996-6666

Product usage: Remover for most water and oil based stains on carpets & upholstery
Product type: Water based non-flammable organic-inorganic chemical blend
WHMIS Class: Flammable material, CLASS B-2; Toxic material, CLASS D-2B (Eye Irritant)
Hazard Rating: HEALTH: (1) Slight; FIRE (2) Moderate; REACTIVITY: (0) Insignificant
TDG Class: D2B , E-3

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	%	CAS#	TOXICITY
2-Butoxyethanol (Ethylene Glycol Monobutyl Ether)	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 (Rubbing Alcohol)	10 - 25	67-63-0	LD50 (oral rats) 4.7 g/kg; TLV = 400 ppm (Isopropyl Alcohol) (IPA) LC50 (inhalation rat) 12000 ppm/8 hr.
Sodium Bisulfite	<1	7681-57-4	TLV = 5 ppm

SECTION 3 - HAZARDS IDENTIFICATION

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. 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.

SECTION 4 - FIRST AID MEASURES

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 is no breathing and no pulse. Obtain medical advice immediately.

SECTION 5 - FIRE FIGHTING MEASURES

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 6 - ACCIDENTAL RELEASE MEASURES

Use suitable protective equipment (section 8). Do not allow to enter drains or watercourses.

For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dyke spilt material or otherwise contain it to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

Environmental precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

SECTION 7 - HANDLING AND STORAGE

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.

SECTION 8 - EXPOSURE CONTROLS & PROTECTIVE EQUIPMENT

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 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colourless liquid

pH as is: 8 - 10

pH use dilution: 8 - 10

Solubility in water: 100%

Odour: Sweet alcohol

Density (g/ml): 0.95

Freezing point: -10 Deg. C.

Boiling Point: 85 Deg. C.

Evaporation Rate: Slightly faster than water.

Viscosity: As water.

SECTION 10 - REACTIVITY & STABILITY 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 11 - TOXICOLOGICAL INFORMATION

Potential acute health effects

Eyes Irritating to eyes.

Skin Moderately irritating to the skin.

Inhalation Moderately irritating to the respiratory system.

Ingestion No known significant effects or critical hazards

Potential chronic health effects

Carcinogenic effects: No known significant effects or critical hazards

Mutagenic effects No known significant effects or critical hazards.

Teratogenic effects No known significant effects or critical hazards.

Reproductive effects : No known significant effects or critical hazards.

Sensitization to Product : No known significant effects or critical hazards.



MATERIAL SAFETY DATA SHEET

TOXICOLOGICAL INFORMATION Cont./

Ingredient name	Test	Route	Result	Species
2-butoxyethanol	LD50	Dermal	230uL/kg	Guinea pig
	LD50	Oral	320 mg/kg	Rabbit
	LD50	Oral	250 mg/kg	Rat
LC50	Inhalation		2900 mg/m3	Rat
LC50 Inhalation 450 ppm Rat				
acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt				
LD50 Oral 10 g/kg Rat				

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity
BOD5 and COD
Products of
Biodegradation

Not Available
Not Available

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Ecotoxicity
Ingredient name

Species	Period	Result
Fish	96 hours	Acute LC50 1490 mg/L
Fish - Bluegill	96 hours	Acute LC50 3092000 to 3540000 ug/L Fresh water
Fish - Bluegill	96 hours	Acute LC50 2070000 to 2180000 ug/L Fresh water
Fish - Bluegill	96 hours	Acute LC50 1030000 to 1080000 ug/L Fresh water
Fish - Bluegill	96 hours	Acute LC50 486000 to 500000 ug/L Fresh water
Fish - Bluegill	96 hours	Chronic NOEC 1800000 ug/L Fresh water
Fish - Bluegill	96 hours	Chronic NOEC 870000 ug/L Fresh water
Fish - Bluegill	96 hours	Chronic NOEC 456000 ug/L Fresh water
Fish - Bluegill	96 hours	Chronic NOEC 157000 to 169000 ug/L Fresh water
Fish - Bluegill	96 hours	Chronic NOEC 11

SECTION 13 - WASTE DISPOSAL

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 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

UN Classification

- UN number
- Proper shipping name
- Class
- Packing group
- Additional information

See shipping documents for specific transportation information

SECTION 15 - REGULATORY INFORMATION

All components are listed or exempted.

WHMIS : Class D-2B: Material causing other toxic effects (Toxic).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Canada inventory

SECTION 16 - OTHER INFORMATION

References: Suppliers Material Safety Data Sheets. Prepared by: Technical Dept.

Preparation Date: May 1/2011

NOTICE: The data and information presented herein are based upon tests, research and reports which are considered by us to be reliable and believed to be accurate. The data and information are presented without warranty, guarantee or liability on our part, and are presented to the customer for his own consideration, investigation and verification. If user requires independent information on ingredients in this or any other material, we recommend contact with Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905 572-4400)