

MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT INFORMATION

Product Name: **Gum & Grease Remover**

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Supplied by: **Custodian's Choice**
7 Neilson Street
St. Catherines, ON L2M 5V9

Phone: (905) 682-8888
Fax: (905) 682-7299
Contact: Mr. C. Rogers

Product usage: Spot remover for carpets.

WHMIS Class: B-3, D-1B, D-2A, D-2B

TDG Class: See recent shipping bill of lading for current status

Poison Control: In Ontario: 1-800 268-9017 In Toronto: 416 813-5900



SECTION II

HAZARDOUS INGREDIENTS

INGREDIENT	CAS#	%	ACGIH-TLV	LC50	LD50
Trichloroethylene	79-01-6	50 - 90	50 ppm TWA	1200 mg/kg 4 hr rat-ihl	4920 mg/kg (oral rat) 10000 mg/kg (dermal rbt)
Light aromatic naphtha	64742-95-6	10 - 40	50 ppm TWA	>10.2 g/m3 4 hr rat-ihl	4700 mg/kg oral rat >4.0 mL/kg dermal rat

SECTION III

PHYSICAL DATA

Physical State:	Liquid	Evaporation Rate:	Not available
Odour and Appearance:	Sweet-chloroform like, clear colourless liquid	Boiling Point:	87 Deg C
Odour Threshold:	Not available	Freezing point:	Not available
Specific Gravity:	1.10 - 1.13 (Water=1)	pH as supplied:	Not applicable
Vapour Pressure:	100 mm Hg 25 Deg C	pH use dilution:	Not applicable
Vapour Density:	Not available	Water/Oil Dist. Coeff.:	Not applicable

SECTION IV

FIRE OR EXPLOSION HAZARD

Conditions of Flammability:	See flash point
Means of Extinction:	Dry chemical, carbon dioxide, foam, water. If using water, fog is more effective.
Flash point:	41 Deg. C. TCC (most flammable component)
Upper flammable limit:	7% (most flammable component)
Lower flammable limit:	1% (most flammable component)
Auto-ignition temperature:	Not available.
Hazardous combustion products:	Vapours decompose at heat source to produce corrosive hydrogen chloride
Explosion Data - sensitivity to mechanical impact:	Insensitive
Explosion Data - sensitivity to static discharge:	Not available.
Other:	Heat may build internal pressure and break closed containers of flammables.

SECTION V

REACTIVITY DATA

Chemical Unstability:	Product is stable.
Incompatibility:	Water - slow hydrolysis produces corrosive acid. Avoid contact with aluminum and its alloys. Avoid strong alkali such as sodium hydroxide, amines & oxidizing agents. Do not mix with chlorine bleach.
Conditions to Avoid:	Avoid open flames, welding arcs, HEATING FURNACES or other high temperature sources which induces corrosive, poisonous thermal decomposition products including hydrogen chloride, chlorine and possible phosgene and should be avoided.
Hazardous Decomposition Products:	May include, hydrogen chloride, chlorine, phosgene.

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SECTION VI

TOXICOLOGICAL PROPERTIES

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Route of Entry: Skin contact, skin absorption, eye contact, inhalation, and ingestion.

Effects of Acute Exposure

Skin: No irritation after brief contact. Prolonged or repeated contact may cause skin irritation, defatting, chapping, dermatitis.

Skin absorption: A single prolonged skin exposure is not likely to result in absorption of harmful amounts. May be absorbed through skin to some degree increasing blood concentration of causing numbness of fingers when they are immersed.

Eyes: May cause pain. Vapors may irritate eyes.

Ingestion: May cause irritation and burning of the mouth and throat, respiratory tract and esophagus. Can cause convulsions, central nervous system depression (headache, dizziness, drowsiness, nausea, vomiting, abdominal pain and incoordination), cardiac arrhythmia, visual disturbances and systemic poisoning. Amounts ingested related to industrial handling are not likely to cause injury; however ingestion of larger amounts could cause serious injury, even death.

Inhalation: Single dose oral toxicity is low. If aspirated (liquid enters the lung), may be rapidly absorbed through the lungs and result in injury to other body systems.

Effects of Chronic Exposure: Alcohol consumed before or after exposure may increase adverse effects. Trichloroethylene is reported to have caused hearing loss in laboratory animals. Repeated exposure may cause central or possibly even peripheral nervous system effects; high levels have caused liver or kidney effects in laboratory animals. A positive carcinogenic response has occurred only in mice given large doses of trichloroethylene. Data suggest a nonmutagenic mechanism for tumor formation implying that non-toxic doses of trichloroethylene should pose little or no carcinogenic hazard for humans when handled as recommended.

Exposure Limits: Not available

Irritancy of Product: Not available

Sensitization: None

Teratogenicity: Not available

Carcinogenicity: See above, tumourigen in rodents at 1100 mg/kg and 100 ppm; Carcinogen by RTECS criteria.

Reproductive Toxicity: Not available

Mutagenicity: Not available

Toxicologically Synergistic Products: Not available

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SECTION VII

PREVENTIVE MEASURES

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- Breathing Protection:** Suitable breathing mask or respirator if mists or vapours are present.
- Skin Protection:** Viton or nitrile gloves, rubber boots if contact is expected.
- Eye Protection:** Safety glasses with side shields when there is potential for eye contact
- Special Precautions:** Do not smoke cigarettes when using product as a burning cigarette tip converts product vapour into deadly hydrogen chloride and phosgene gases.
- Engineering Controls:** Limit amount of product used. Use good fresh air building ventilation until all vapours are exhausted. Lethal concentrations may exist in areas with poor ventilation.
- Leak and Spill Procedure:** Refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers and remove to a safe area outside. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
- Waste Disposal:** Review federal, provincial, and local government requirements prior to disposal.
- Storage Requirements:** Keep out of reach of children. Store in a closed container away from incompatible materials including heat in a well ventilated area.
- Shipping Information:** Keep containers upright. Protect packages from damage while transporting.

SECTION VIII

FIRST AID MEASURES

- Skin:** Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Seek medical attention immediately.
- Eyes:** Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Seek medical attention immediately.
- Inhalation:** Move victim to fresh air. Seek medical attention immediately.
- Ingestion:** Do not induce vomiting. Lung aspiration hazard. Consult a physician immediately.
- Notes to physician:** Because rapid absorption may occur through lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by the physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from aspiration must be weighed against toxicity when considering emptying the stomach. Exposure may increase "myocardial irritability". Do not administer sympathomimetic drugs unless absolutely necessary. No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

SECTION IX

PREPARATION INFORMATION

Date: 11-Jan-06
Telephone: (905) 682-8888

MSDS Prepared by: Technical Dept.

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) or (CSST) in Montreal, Quebec (514) 873-3990