



MATERIAL SAFETY DATA SHEET

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SECTION 1 - COMPANY INFORMATION

Thunder Degreaser

Product usage: Cleaning Agent
Product type:
WHMIS Class: D2B
Hazard Rating:
TDG Glass:

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

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	%	CAS#	TOXICITY
Sodium metasilicate	<15	6834-92-0	LD50(oral/rat) 420mg/kg
Ethylene glycol monobutyl ether	<5	111-76-2	LD50(oral/rat) 320mg/kg,
		ACGIH (US)	LD50(skin/rabbit) 100mg/kg
		OSHA (US)	LC50(inh/rat) 450 ppm
Tetrasodium salt of	<3	64-02-8	LD50(oral/rat) 3030mg/kg
Ethylendiaminetetraacetic acid			
Sodium Tallate	<2	61790-45-2	
Anionic Surfactant	<2	25155-30-0	

SECTION 3 - HAZARDS IDENTIFICATION

Routes of entry: Inhalation, ingestion, skin and eye contact

Signs and symptoms of short-term (acute) exposure:

Inhalation: Inhalation of mist or spray may cause irritation or burns. Exposures higher than the recommended limits over long periods of time may cause chronic irritation of the nose, throat and bronchial passages.

Skin contact: Corrosive to skin. Blood cell hemolysis, narcosis and kidney may occur.

Eye contact: Contact can result in pain, redness and watering, with possible corneal damage if not promptly treated.

Ingestion: Harmful or fatal if swallowed. May burn mouth, throat and stomach.

Effects of long-term (chronic) exposure: Prolonged skin contact may cause dermatitis. Liver or kidney damage is possible.

Other important hazards: None..

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove to fresh air. Get medical attention if discomfort persists.

Skin contact: Immediately flush with lots of water for at least 15 minutes. Remove and machine wash contaminated clothing. Dispose of contaminated leather goods. Get medical attention if pain persists after affected area is washed.

Eye Contact: Flush eyes immediately with large amounts of water for at least 15 minutes, holding lids apart to ensure complete irrigation of the eye. Get immediate medical attention.

Ingestion: DO NOT INDUCE VOMITING. If conscious, rinse mouth with water, then give large amounts of water or milk. Get immediate medical attention. If vomiting occurs naturally, have victim lean forward to avoid breathing in of vomited material, then rinse mouth with water and have victim drink more fluids.



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SECTION 5 - FIRE FIGHTING MEASURES

Flash point (Method):	None known.
Lower flammable limit (% by volume):	n/ap
Upper flammable limit (% by volume):	n/ap
Explosion data:	<i>Sensitivity to mechanical impact:</i> Not sensitive. <i>Sensitivity to static discharge:</i> Not sensitive.
Oxidizing properties:	None
Auto-ignition temperature:	Not available
Suitable extinguishing media:	Water, dry chemicals and carbon dioxide can be used on fires in which this product is involved.
Special fire-fighting procedures/equipment:	Fire-fighters should wear chemical-resistant clothing (for example, chemical splash suit) and positive pressure self-contained breathing apparatus, approved by NIOSH/MSHA.
Hazardous combustion products:	Combustion may release toxic or corrosive gases, such as oxides of sulphur, nitrogen or sodium

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:	Restrict access to area until completion of cleanup. Wear adequate personal protective equipment.
Environmental precautions:	Avoid discharging spilled material into waterways, such as sewers, streams or lakes.
Spill response/Cleanup:	Dike to contain material. Collect as much of the spilled material as possible in containers for possible reuse. Absorb the remaining material with sand, vermiculite or other absorbent material.
Prohibited materials:	None known

SECTION 7 - HANDLING AND STORAGE

Safe handling procedures:	Product is irritating. Avoid contact with skin, eyes and clothing. Wear proper protective equipment, including rubber gloves.
Storage requirements:	Store in a cool, dry area. Keep away from incompatible materials. (See Sect. 10)
Special packaging materials:	Plastic containers recommended.

SECTION 8 - EXPOSURE CONTROLS & PROTECTIVE EQUIPMENT

Ventilation and engineering controls:	General ventilation normally adequate.
Respiratory protection:	If mists or spray generated, wear a NIOSH/MSHA approved respirator equipped with dust and mist filters.
Protective gloves:	Rubber, butyl rubber or neoprene gloves are recommended if skin contact might occur.
Eye Protection:	Chemical goggles recommended. Face shield also recommended for handling large amounts.
Other protective equipment:	Eye-wash station. Safety shower

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance/odour:	Clear, blue liquid, with butyl odour.	pH:	12.0 – 13.0
Odour threshold:	0.4 ppm (ethylene glycol monobutyl ether)	Melting/freezing point:	Not available.
Boiling Point:	Not available.	Solubility in water:	Soluble.
Vapour pressure:	Not available.	Vapour density:	Not applicable
Coefficient of oil/water distribution:	Not available	Evaporation rate:	Not available
Specific gravity or relative density (water=1):	1.06	Percent Volatile by Weight:	Not available
Volatile organic compounds (VOC's):	Not available.		



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SECTION 10 - REACTIVITY & STABILITY DATA

Stability and reactivity: Normally stable.
Conditions to avoid: Contact with product acids may generate heat.
Materials to avoid: Strong acids, strong oxidizers.
Hazardous decomposition products: Thermal decomposition can produce toxic or corrosive gases such as oxides of sulphur, nitrogen or sodium.

SECTION 11 - TOXICOLOGICAL INFORMATION

LD50: See Section 2. **LC50:** See Section 2.
Exposure limits: TWA: 20 ppm (ethylene glycol monobutyl ether)
Carcinogenicity: No ingredient listed by IARC, ACGIH, NTP, and OSHA as carcinogens.
Teratogenicity, mutagenicity, other reproductive effects: None available.
Sensitization to material: Not reported
Conditions aggravated by exposure: Skin and respiratory conditions may be aggravated by chronic exposure.
Synergistic materials: None known

SECTION 12 - ECOLOGICAL INFORMATION

Environmental effects: High pH (alkalinity) of material may be harmful to aquatic life.

SECTION 13 - WASTE DISPOSAL

Handling for disposal: Reuse if possible. Do not discharge waste material into the environment.
Methods of disposal: Use only licensed waste disposal services. Follow local, provincial or state, and federal regulations

SECTION 14 - TRANSPORTATION INFORMATION

Shipping description: TDG – Not regulated
Please note: This shipping description is of a general nature only. It does not consider package sizes, modes of transport and other specific circumstances. Appropriate regulations should be referenced, and handling for transportation of dangerous goods/hazardous materials should be performed by trained personnel only.

SECTION 15 - REGULATORY INFORMATION

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

MSDS Prepared by: Technical Dept. **Telephone:** (905) 682-8888

SECTION 16 - OTHER INFORMATION

References: Suppliers Material Safety Data Sheets.

Preparation Date: July 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)