



MATERIAL SAFETY DATA SHEET

SECTION 1 : PRODUCT IDENTIFICATION

Product Name : **Industrial degreaser**
 Product Use : Hard surface detergent and degreaser to be diluted
 WHMIS Class : E, D2B (corrosive, other toxic effects)
 Not regulated product in consumer packages.
 TDG Classification : 8 and 9.2, pack. Group III
 PIN Number : UN 1760
 TDG Shipping Name : Corrosive liquid N.O.S. (metasilicate)
 Transportation not regulated for consumer packages
 Manufacturer : Contact supplier
 Supplier : Cansew Inc.
 111 Chabanel West, Suite 101
 Montreal, Qc H2N 1C9
 Telephone: (514) 382-2807

WISH :	
Health :	2
Flammability :	0
Reactivity :	0
Personal Protection :	B

SECTION 2 : HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>%pp</u>	<u>TLV</u>	<u>CL50</u>	<u>DL50</u>
Fatty alcohol ethoxylate	68439-46-3	5-15		>4 g/mg (skin, rabbit)	>2,7 g/Kg (oral, rat)
Diethylène glycol butyl ether	112-34-5	5-15		2,7 g/kg (skin, rabbit)	7.3 g/Kg (oral, rat)
Butoxypropanol	5131-66-8	5-15		>2 g/Kg (skin, rat)	3.3 g/kg (oral, rat)
Hydroxyethylamine	141-43-5	1-5		1.7 g/kg (skin, rabbit)	2.1 g/kg (oral, rat)
Methoxypropanol	107-98-2	1-5	1000 ppm	12 ml/kg (skin, rabbit)	6.6 g/kg (oral, rat)
Sodium metasilicate	6834-92-0	1-5			0.6 g/kg (oral, rat)

SECTION 3 : PHYSICAL DATA

Boiling Point (°C) : 100	Specific Gravity (H ₂ O – 1) : 1.03 at 20°C
Vapour Pressure (mm HG) : n.a.	% Volatile (% p/p) : 70%
Vapour Density (Air=1) n.a.	Evaporation Rate (Water=1) : less than 1
Solubility in water : Complete	pH (as supplied) : 13.0
Physical State : Liquid	Viscosity : approx.: 20 cps à 22°C
Appearance and Odour : transparent liquid	Odour Threshold : (ppm) : approx. 1000 ppm
Colorless to pale yellow color, solvent odour	

SECTION 4 : FIRE AND EXPLOSION DATA

Flammability : Not flammable, not combustible
 Flash Point (TCC, °C) : >92 LEL: N.appl. UEL : N.appl.
 Hazardous Combustion Products: Smoke, carbon and nitrogen oxides
 Auto-ignition Temperature (°C) : n.a.
 Means of Extinction : Water, foam, dry chemicals, carbon dioxide
 Special Fire Hazards : A stream of water directed into the product generates some foam.



SECTION 5 : REACTIVITY DATA

Condition for chemical instability : This product is stable under normal conditions. It does not polymerize.

Incompatible materials : Strong oxidizing agents

Reactivity, and under what conditions : Avoid excessive heat

Hazardous decomposition products : The thermal decomposition can produce volatile organic substances and carbon oxides, nitrogen oxides.

SECTION 6 : TOXICOLOGICAL PROPERTIES

Route of entry : Eyes, skin, ingestion, inhalation.

EFFECT of ACUTE EXPOSURE:

Eye : Pain, redness, irritation, corrosion.

Vapours can produce eye irritation.

Skin : Skin dryness may appear in some persons.

Ingestion : Mouth and gut irritation, nausea, vomiting, abdominal pain, diarrhea, anaesthesia, fatigue, narcotic effect.

Inhalation : Nose and throat irritation. Headache, nausea, dizziness, fatigue.

EFFECT of CHRONIC EXPOSURE :

Irritancy : Frequent and prolonged contact may produce dry skin, irritation, redness and dermatitis.

Breathing large quantities of vapor on a daily basis can produce fatigue, dizziness, nausea, headache.

Skin sensitization : Repeated contact may produce sensitization on some persons.

Carcinogenicity : None, not reported

Teratogenicity : Reproductive effects : N.A.

Mutagenicity : N.A.

Synergistic materials : Soap, solvents.



SECTION 7 : PREVENTIVE MEASURES

Gloves : Plastic or rubber gloves to manipulate or work large quantities of the product.

Eye protection: Safety glasses with side shields to manipulate large quantities.

Respiratory protection : Not required, if adequate ventilation is available. Otherwise wear a respiratory mask with organic vapour cartridges.

Other protective equipment : Waterproof boots and apron if large spill

Engineering controls : Install eye wash station and safety shower if large quantities are handled.

Leak and spill procedure : Wear protective equipment. Stop the leak. Pump the product into drums for disposal. Resume cleaning by rinsing with water.

Waste disposal : Burn into incinerator or landfill according to exiting federal, provincial and municipal regulations. Organic matter in this product is readily biodegradable according to OECD test 301-D.

Storage requirements : Keep in original tightly closed containers, in a room below 35°C.

SECTION 8 : FIRST AID

Eyes : Remove contact lenses. Rinse with plenty of water for several minutes, keeping eyelids open. Immediately seek medical attention.

Skin : Rinse with water. Remove contaminated clothes. Apply a moisturizing cream if the skin is dry or red. Seek medical attention if there is pain or if the skin is badly irritated.

Inhalation : Bring the person to fresh air. Seek medical attention in case of persistent discomfort.

Ingestion : Give plenty of water. Do not induce vomiting. Seek medical attention if there is some vomiting or abdominal pain.

SECTION 9 : PREPARATION INFORMATION

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Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information or ingredients in this or any other material, we recommend contact with the Canadian Center for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal (514-873-3990).