



MATERIAL SAFETY DATA SHEETS

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name : **SILVERWAX 3 DEGREASER CLEANER**
 Chemical name and synonyms : Not applicable (mixture)
 Manufacturer : Laboratoire Hygienex Inc. Supplier : Same
 Address : 6400 zéphrin-Paquet Address : Same
 Québec (Québec)
 Canada G2C 0M3
 Telephone : 1-418-522-2332 Telephone : Same
 Emergency phone (CANUTEC) : (613) 996-6666
 Issue by : Laboratoire Hygienex Inc.
 Product use : Fast action cleaner
 (Industrial/Institutional)

HMIS Rating :	
Health :	2
Flammability :	0
Reactivity :	1
Personal protection :	B

SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS</u>	<u>% p/p</u>
Butoxy-2-ethanol	111-76-2	5 – 15
Sodium dodecylbenzenesulfonate	25155-30-0	1 – 5
Alkyphenol ethoxylate	9016-45-9	1 – 5
Sodium metasilicate	6834-92-0	1 – 5
Trisodium nitrilotriacetate	18662-53-8	0.1 – 1

Exposure limit informations: see Section 8

SECTION 3 : HAZARDS IDENTIFICATION

Eyes contact : Direct contact may cause severe irritation with possibility of corneal ulceration.
 Skin contact : May cause skin irritation with redness, allergic skin reaction, dermatitis and skin dryness
 Inhalation : May cause nausea, headache.
 Oral : May cause a gastrointestinal irritation, burns to mouth and throat.

Effects of repeated overexposure

Skin : Prolonged or repeated exposure may cause skin irritation, even a burn.
 Inhalation : None known.
 Oral : Swallowing large amounts may cause a gastrointestinal irritation, burns to mouth and throat.

Primary route of exposure : Skin contact, eye contact, ingestion and inhalation are the primary routes of exposure to this product.

The above listed potential effects of overexposure are base on actual data, results of studies performed upon similar compositions, component data, and/or expert review of the product. Please refer to section 11 for detailed toxicology information.

SECTION 4 : FIRST-AID MEASURES

Eyes contact :	Flush eyes gently with water for at least 15 minutes while holding eyelids apart.
Skin contact :	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Seek medical attention.
Inhalation :	Remove in fresh air
Swallowing :	Give water. Do not induce vomiting. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended. Seek medical attention.
Notes to physicians :	Treat according to person's condition and specifics of exposure.

SECTION 5 : FIRE-FIGHTING MEASURES

T.D.G. Flammable class :	Not controled
Flammability :	Not applicable
Flash point, closed cup (°C) :	> 93.3
Explosive limit temperature (°C) :	Not applicable
Autoignition temperature (°C) :	Not applicable
Lower flammable limit (% by vol.) :	Not applicable
Higher flammable limit (% by vol.) :	Not applicable
Sensitivity to static discharge:	None
Sensitivity to impact :	None
Hazardous Products of Combustion :	May form: carbon and nitrogen oxide.
Fire and Explosion Hazards :	Unknown
Extinguishing Media :	Regular foam, water, carbon dioxide.
Fire Fighting Instructions :	Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure. Refer to the personal protective equipment section of this MSDS.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

General information :	Use proper personal protective equipment as indicated in Section 8. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.
Small spill :	Clean area as appropriate since the product, even in small quantities, may present a slip hazard.
Large Spill :	Stop leak if without risk. Provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.
Disposal measures :	See Section 13.

SECTION 7 : HANDLING AND STORAGE

Handling : Avoid contact with skin and eyes. For external use only. Use good personal hygiene practices. Wash hands before eating, drinking, or using toilet facilities. Promptly remove soiled clothing and wash before reuse. Shower after work using plenty of soap and water.

Storage: Keep in original tightly closed containers..

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection : Wear safety glasses with side shields (or goggles).

Skin Protection : Wear resistant gloves. Glove materials may include polyvinyl chloride (PVC), neoprene or rubber.

Footwear : Wear adequate working boots.

Clothing : Wear adequate working clothes.

Respiratory Protections : None required under normal operation conditions.

Engineering Controls : Provide sufficient mechanical (general and/or local exhaust) ventilation.

Other : Eye bath and safety shower.

Exposure limits:

<u>Ingredient</u>	<u>CAS</u>	<u>TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Sodium dodecylbenzenesulfonate	25155-30-0	Not available	Not available	438mg/kg ⁽²⁾
Alkyphenol ethoxylated	9016-45-9	Not available	Not available	1.3g/kg ⁽²⁾
Trisodium nitrilotriacetate	18662-53-8	Not available	Not available	500mg/kg ⁽³⁾
Butoxy-2-ethanol	111-76-2	Not available	450ppm/4h ⁽¹⁾	1.2g/kg ⁽²⁾
Sodium metasilicate	6834-92-0	Not available	Not available	1153mg/kg ⁽²⁾

(1) Rat

(2) Oral – rat

(3) Intraperitoneal – rat

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

State :	Liquid	Appearance :	Clear
Color :	Yellow	Odor :	Cherry
Vapor pressure (mm Hg) :	Not available	pH :	13.1
Specific vapor density (Air=1):	Not available	Specific gravity (25°C):	1.04
Evaporation rate (Water=1) :	1	Boiling point (°C) :	>100
Solubility in water (% p/p) :	Miscible	Melting point (°C) :	Not available
Solubility in ethanol :	Miscible	Viscosity (cps) :	50
Volatiles (% p/p) :	91	Molecular weight :	Not applicable
Partition coefficient water/oil :	Not available	Chemical formula :	Not applicable

SECTION 10 : STABILITY AND REACTIVITY

Hazardous polymerization : Will not occur.

Hazardous decomposition : May form: Nitrogen and carbon oxides

Chemical stability : Stable under normal conditions.

Materials to avoid : Strong oxidizing agents and strong acids.

SECTION 11 : TOXICOLOGICAL INFORMATION

Effects of chronic exposure : Not available
Carcinogenicity : Not available
Reproductive toxicity : Not available
Teratogenicity : Not available
Mutagenicity : Not available
Primary Route(s) of Entry : Skin contact, eye contact, ingestion and inhalation.

SECTION 12 : ECOLOGICAL INFORMATION

Environmental toxicity information : This material has not been tested for environmental effects.
BOD₅ : Not available
COD : Not available

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Management Information : Dispose in accordance with municipal, provincial and federal regulations.

SECTION 14 : TRANSPORT INFORMATION

US DOT Information :	Not controlled
TDG Classification :	Class 8
UN/NA Number :	3266
Packging group :	G.E.III
Shipping name :	CORROSIVE LIQUID INORGANIC, BASIC, N.O.S. (Metasilicate sodium)

SECTION 15 : REGULATORY INFORMATION

Canada (WHMIS) : D2B, E
CPR compliance : This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all information required by *Controlled Products Regulations*.

SECTION 16 : OTHER INFORMATION

Emission date: March 24th, 2013
Prepared by : Laboratoire Hygienex inc.
Phone : (418) 522-2332

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. Last page