



## MATERIAL SAFETY DATA SHEET

### SECTION 1 : PRODUCT IDENTIFICATION

<b>Product name :</b>	<b>IMPEK</b>
<b>Product use :</b>	<b>FAST ACTION CLEANER. ALL PURPOSE DETERGENT, DEGREASER.</b>
<b>WHMIS Class:</b>	D2B, E
<b>TDG Classification :</b>	Class 8
<b>PIN Number :</b>	UN 1760
<b>TDG Shipping Name :</b>	Corrosive liquids n.s.a.
<b>Manufacturer :</b>	HYGIENEX LABORATORY INC. 145 Boul. Wilfrid-Hamel Québec (Qc) G1L 4H8 (418) 522-2332
<b>EMERGENCY PHONE :</b>	<b>CANUTEC (613) 966-6666</b>
<b>HMIS :</b>	<i>Health : 2                      Flammability : 0                      Reactivity : 1                      Personal Protection : B</i>

### SECTION 2 : COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS</u>	<u>% w/w</u>
2-Butoxy-1-ethanol	111-76-2	5 – 15
Nonoxynol-9	9016-45-9	1 – 5
Sodium silicate	6834-92-0	1 – 5
Trisodium nitrilotriacetate	18662-53-8	0.1 – 1

Exposure limit informations: see Section 8

### SECTION 3 : HAZARDS IDENTIFICATION

<b>Effect of acute exposure</b>	
Eyes contact :	Severe eyes irritation, possibility of corneal ulceration.
Skin contact :	Irritation with redness and skin dryness.
Inhalation :	Can cause nausea, headache.
Oral :	Irritation to the mouth and gastrointestinal tract, pain, vomiting, diarrhea..
<b>Effects of repeated overexposure</b>	
Skin :	Frequent or prolonged contact may produce irritation and dry skin.
Inhalation :	None known.
Ingestion :	None known.
Primary route of exposure :	Skin contact, eye contact, inhalation and ingestion 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. Occasionnally lifting upper and lower lids. Get medical attention at once.
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 if irritation persists.
Inhalation :	Bring the person to fresh air.
Swallowing :	Quickly give plenty of water or other liquids. 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 :	Non-Flammable, non combustible
Flammability :	Not available
Flash point, closed cup (°C) :	>95
Explosive limit temperature (°C) :	Not available
Autoignition temperature (°C) :	Not available
Lower flammable limit (% by vol.) :	Not available
Higher flammable limit (% by vol.) :	Not available
Sensitivity to static discharge:	Not available
Sensitivity to impact :	None
Hazardous Products of Combustion :	May form: Smoke, carbon, sulfur and nitrogen oxide.
Extinguishing Media :	Regular foam, water, carbon dioxide, sdy chemicals.
Special Fire Hazards :	A powerfull stream of water directly shooted into the product generate a lot of foam.
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 :	Absorb residue or small spills with absorbent material. Finish with soap and water.
Large Spill :	Stop leak if without risk. Provide adequate ventilation and protective equipment. Remove sources of heat, sparks or flames. Spill should be collected in suitable containers or absorbed on a suitable absorbent material for subsequent disposal. Finish with soap and water.
Caution:	The floor can be slippery after a spill.
Disposal measures :	See Section 13.

**SECTION 7 : HANDLING AND STORAGE**

Handling :	Keep container closed when not use. Use adequate ventilation. Avoid breathing vapours. Avoid contact with skin, eyes and clothing. 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. Keep away from children.

**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 if large spill.
Clothing :	Wear adequate working clothes.
Respiratory Protections :	None required if adequate ventillation is available.
Engineering Controls :	Provide sufficient mechanical (general and/or local exhaust) ventilation.
Other :	Eye bath and safety shower.

## IMPEK – All purpose degreaser

Exposure limits:	CAS	TLV	LC <sub>50</sub> (4h.rat)	LD <sub>50</sub>
<b>Ingredient</b>				
2-Butoxy-1-ethanol	111-76-2	Not applicable	450ppm	1.2 g/kg <sup>(2)</sup>
Nonoxynol-9	9016-45-9	Not applicable	Not applicable	1.3 g/kg <sup>(2)</sup>
Sodium silicate	6834-92-0	Not applicable	Not applicable	1.15 g/kg <sup>(2)</sup>
Trisodium nitrilotriacetate	18662-53-8	Not applicable	Not applicable	500mg/kg <sup>(3)</sup>

(1) Intraperitoneal-Rabbit  
(2) Oral-Rat

### SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

State :	Liquid	Appearance :	Clear
Color :	Yellow	Odor :	Perfume and solvent
Vapor pressure (mm Hg) :	Not available	pH :	13.0
Specific vapor density (Air=1):	Not available	Specific gravity (25°C):	1.040
Evaporation rate (Water=1) :	approx. 1	Boiling point (°C) :	100
Solubility in water (% p/p) :	Complete	Melting point (°C) :	Not available
Solubility in ethanol :	Not available	Viscosity (cps) :	<15 cps à 22°C
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 :	It does not polymerize.
Hazardous decomposition :	May form: Sulfur, Nitrogen and carbon oxides if the product burn.
Chemical stability :	May involve heat in presence of strong concentrated acids.
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 probable
Teratogenicity :	Not probable
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.
BOD <sub>5</sub> :	Not available
COD :	Not available

### SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Management Information :	Dispose in accordance with municipal, provincial and federal regulations.
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### SECTION 14 : TRANSPORT INFORMATION

US DOT Information :	Not controled
TDG Classification :	Class 8
UN/NA Number :	1760
Packging group :	Not applicable
Shipping name :	Corrosive liquids n.s.a.

### SECTION 15 : REGULATORY INFORMATION

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

**SECTION 16 : OTHER INFORMATION**

Emission date:	June 28 <sup>th</sup> , 2006
Prepared by :	Hygienex Laboratory inc.
Revised by:	David Dupuis, R&D chemist
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.  
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