

## LAUNDRY STAIN REMOVER

SECTION 1 - IDENTIFICATION	
<b>Product identifier:</b>	<b>LAUNDRY STAIN REMOVER</b>
<b>Product code:</b>	
<b>Recommended use:</b>	Cleaner/degreaser
<b>Chemical name :</b>	Mixture
<b>Chemical group:</b>	Mixture
<b>Manufactured for:</b>	<b>COMERCO SERVICES INC.</b> <b>3300 Boul. Saint-Martin O. # 300</b> <b>Laval, Qc, H7T 1A1</b> <b>(450) 682-9900</b>
<b>Emergency phone:</b>	Canutec (613) 996-6666 24 hrs

SECTION 2 - HAZARD IDENTIFICATION	
<b>Classification</b>	Acute toxicity, oral 4 Skin corrosion 1C Severe eye damage 1 Specific target organ exposure, single exposure; Respiratory tract irritation 3 Specific target organ exposure, repeated exposure 2
<b>Signal word</b>	<b>DANGER</b>
<b>Hazard statement</b>	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H335 May cause respiratory irritation. H373 May cause damage to organs through prolonged or repeated exposure.
<b>Precautionary statement - Prevention</b>	P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary statement - Response</b>	P271 Use only outdoors or in a well-ventilated area. P301+P312 IF SWALLOWED: immediately call a POISON CENTER/physician. P330 Rinse mouth. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN: take off immediately all contaminated clothing. P363 Rinse skin with water (or shower). P304+P340 Wash contaminated clothing before reuse. P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P321 Immediately call a POISON CENTER/doctor. P305+P351+P338 Specific treatment: Treat as chemical burns. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Precautionary statement - Storage</b>	P403+P233 Store in a well ventilated place. Keep container tightly closed. P405 Store locked up.
<b>Precautionary statement - Elimination</b>	P501 Dispose contents/containers according to municipal, provincial and federal regulations.



SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS		
Hazardous product	No. CAS	% (weight)
Ethoxylated alcohol C12-C15	68131-39-5	1 – 5 *

\*TRADE SECRET STATEMENT: The exact concentration of composition has been withheld as a trade secret.

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**SECTION 4 - FIRST AID MEASURES****Inhalation:**

IF INHALED: remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CONTROL CENTER or physician.

**Skin contact:**

IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water for 20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing/ jewellery and wash it before reuse. DO NOT neutralize with acid.

**Eye contact:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. DO NOT neutralise with acid.

**Ingestion:**

NEVER give anything orally if victim is losing consciousness, is unconscious or having convulsions. Rinse mouth with water thoroughly. DO NOT INDUCE VOMITING. Ask victim to drink two glasses of water. If vomiting occurs naturally, lean victim forward to reduce risks of aspiration. Continue to drink water. Obtain medical care.

**Note au physician:**

Specific treatment: Treat as chemical burns.

**SECTION 5 - FIRE-FIGHTING MEASURES****Suitable extinguishing media:**

In case of fire: Use water, foam, CO<sub>2</sub>, dry chemicals to extinguish.

**Unsuitable extinguishing media:**

Stream of water directed into the product will generate large amounts of foam.

**Hazardous combustion products :**

Carbon oxides, nitrogen oxides, sodium oxides, acrid smoke.

**Protective equipment :**

Fire-fighters must wear protective equipment and NIOSH approved self-contained breathing apparatus.

**Precautions:**

Retain water run-off. Prevent infiltration into sewers or waterways.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES****Protective equipment:**

Wear appropriate respiratory equipment (See Section 8). Avoid direct contact with product. Remove non-essential personnel.

**Containment and clean up:**

Ventilate spill area. Stop spill if safe to do so. Contain and absorb with an inert absorbing material for future disposal (See Section 13). Prevent spill from entering sewers or waterways. Retain water run-off if applicable. Inform proper authorities if necessary.

**Environmental precautions:**

Avoid entering sewers, waterways or restricted areas. Eliminate according to municipal, provincial and federal regulations.

**SECTION 7 - HANDLING AND STORAGE****Precautions for safe handling:**

Containers must be identified correctly. Handle in a well ventilated area. Avoid breathing dust, vapours or mists. Avoid contact with eyes, skin and clothes. Keep containers closed when not in use. Empty containers may contain residues and must be handled as hazardous waste. Maintain good personal hygiene before eating, drinking or smoking. Do not eat, drink or smoke while using the product or in proximity. Wash contaminated clothing before reuse.

**Conditions for safe storage:**

Store in a well-ventilated place. Keep cool. Store away from incompatible materials. Keep containers closed.

**Incompatible materials :**

Strong oxidants, acids.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure limits:**

Ingredients	# CAS	SOURCE	Values
Ethoxylated alcohol C12-C15	68131-39-5		No established limits.

**Engineering controls:**

Local ventilation system is recommended to maintain concentrations of contaminants below exposure limits.

**Protection of airways:**

Respiratory protection is required if concentration are above exposure limits. Use a NIOSH approved autonomous respiratory apparatus if exposure limits are unknown.

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**Protective equipment and clothing:**

Wear chemical / impermeable gloves or other protective clothing to prevent repeated or continuous contact with the skin during handling and usage. Wear goggles to prevent mist, vapours or dust to contact eyes. Insure that eyewash stations, showers and cleaning stations are near to work station.

**General hygiene recommendations :**

Avoid production of high concentrations of dust, vapours or mists. Avoid contact with skin and eyes. Avoid breathing dust, vapours or mists. Never eat, drink or smoke near work stations. Good hygiene is recommended after using this product. Clean clothing before reuse.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Colorless, transparent liquid
<b>Odour :</b>	Bitter
<b>Odour threshold:</b>	Not available
<b>pH (sol. 10%) :</b>	12.0 – 13.0
<b>Melting point:</b>	0°C
<b>Initial boiling point:</b>	Not applicable
<b>Flash point:</b>	Not applicable
<b>Evaporation rate (butyl acetate = 1):</b>	Not available
<b>Flammability:</b>	Not applicable
<b>LIL:</b>	Not applicable
<b>UIL:</b>	Not applicable
<b>Vapour pressure:</b>	Not available
<b>Vapour density (air=1):</b>	Not available
<b>Relative density:</b>	1.014
<b>Solubility:</b>	Not soluble
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>VOC</b>	Not available
<b>Viscosity:</b>	5 cPs

**SECTION 10 - STABILITY AND REACTIVITY**

<b>Stability and reactivity :</b>	Stable under recommended conditions and expected usage.
<b>Polymerisation:</b>	No.
<b>Conditions to avoid :</b>	Contact with metals and acids product. Avoid heat and sunlight.
<b>Incompatible materials :</b>	Strong oxidants, acids.
<b>Hazardous decomposition products :</b>	Carbon oxides, nitrogen oxides, sodium oxides.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

<b>Toxicological data:</b>				
<b>Hazardous ingredient</b>	<b>CAS</b>	<b>% (weight)</b>	<b>DL<sub>50</sub> (route, species)</b>	<b>CL<sub>50</sub> (species)</b>
Ethoxylated alcohol C12-C15	68131-39-5	1 – 5	1650 -2000 mg/kg, oral, rat >2000 mg/kg, dermal, rabbit	No data.
<b>Short term exposure (acute) :</b>				
<b>Inhalation:</b>	Irritation respiratory tract.			
<b>Skin:</b>	Skin irritation, chemical burns. Drying of the skin.			
<b>Eyes:</b>	Irritation, severe burns, possible damage to cornea.			
<b>Ingestion:</b>	Burn, irritation of mouth, throat, and digestive tract. Nausea, gastric distress.			
<b>Long term exposure (chronic) :</b>				
<b>Inhalation:</b>	May cause sensitivity in certain persons.			
<b>Skin:</b>	Irritation, chemical burns.			
<b>Eyes:</b>	Irritation, severe burns, possible damage to cornea.			
<b>Ingestion:</b>	Not available			
<b>Carcinogenicity :</b>	Not available			
<b>Teratogenicity:</b>	Not available			
<b>Mutagenicity:</b>	Not available			

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**Target organ:** Respiratory tract system during repeated or long-term exposures.  
**Conditions aggravated by exposure :** Not available

## SECTION 12 - ECOLOGICAL INFORMATION

Hazardous ingredient	CAS	% (weight)	Value	Species
Ethoxylated alcohol C12-C15	68131-39-5	1 – 5	EC50 10 – 100 mg/L, 72h EC50 5 – 10 mg/L, 48h LC50 5 – 10 mg/L, 96h	Algae Crustaceans Fish
<b>Persistence and degradability :</b>	Not available			
<b>Bioaccumulation potential:</b>	Not available			
<b>Mobility in soil:</b>	Not available			
<b>Other adverse effects :</b>	Not available			

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Safe handling for disposal:** Store materials for elimination and contaminated packaging as indicated in Section 7 Handling and Storage.  
**Methods of disposal :** Dispose contents/containers according to all municipal, provincial and federal regulations.

## SECTION 14 - TRANSPORT INFORMATION

UN Number	Proper shipping name	Class	Packing group	Placard
UN3266	CORROSIVE INORGANIC LIQUID N.O.S. (Sodium hydroxide)	8	III	
Limited quantity:	5 L or 5Kg			
Special precautions:	None known.			
Environmental dangers:	So not discharge into the environment.			

## SECTION 15 - REGULATORY INFORMATION

**Canadian Environmental Protection Act (CEPA):** Components of this product are listed in the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL) or are exempt.  
**Others :** Components of this product are listed on the TSCA or are exempt.

## SECTION 16 - OTHER INFORMATION

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**Abbreviations:**

ACGIH American Conference of Governmental Industrial Hygienists  
 AIHA American Industrial Hygiene Association  
 CAS Chemical Abstract Service  
 CL / LC Concentration létale /Lethal concentration  
 DL / LD Dose létale / Lethal dose  
 IARC International Agency for Research on Cancer  
 LES Liste extérieure des substances (NDSL)  
 LIS Liste intérieure des substances (DSL)  
 NIOSH National Institute for Occupational Safety and Health  
 NTP National Toxicology Program (U.S.A.)

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OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
SIMDUT	Système d'information sur les matières dangereuses utilisées au travail
STEL	Short-term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
USEPA	United States Environmental Protection Agency
WHMIS	Workplace Hazardous Materials Information System

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