

# EXTRA HEAVY DUTY OVEN CLEANER WITH LEMON

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	EXTRA HEAVY DUTY OVEN CLEANER WITH LEMON
<b>Recommended Use</b>	Concentrated oven & grill Cleaner.
<b>Manufacturer</b>	Lawrason's, Inc, 460 Wyecroft Road, Oakville, Ontario, L6K 2G7, (905) 842-8300, www.Lawrasons.com
<b>Supplier Identifier</b>	Lawrason's, Inc, 460 Wyecroft Road, Oakville, Ontario, L6K 2G7, (905) 842-8300, www.Lawrasons.com
<b>Emergency Phone No.</b>	CANUTEC, 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone
<b>SDS No.</b>	71721
<b>Date of Preparation</b>	February 01, 2017

## SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

### Classification

Flammable aerosol - Category 1; Skin corrosion - Category 1; Serious eye damage - Category 1; Specific target organ toxicity (repeated exposure) - Category 2

### Label Elements



Danger

### Hazard Statement(s):

Extremely flammable aerosol.  
Causes severe skin burns and eye damage.  
Causes serious eye damage.  
May cause damage to organs through prolonged or repeated exposure.

### Precautionary Statement(s):

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not spray on an open flame or other ignition source.  
Do not pierce or burn, even after use.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Wash hands and skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

### Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
Immediately call a POISON CENTRE or doctor.  
Wash contaminated clothing before reuse.

**Storage:**

Store locked up.  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**Disposal:**

Dispose of contents and container in accordance with local, regional, national and international regulations.

**Other Hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Other components below reportable levels		60.00-80.00		
Diethylene glycol monobutyl ether	112-34-5	7.00-13.00		
Sodium hydroxide	1310-73-2	3.00-7.00		
Ethanolamine	141-43-5	3.00-7.00		
Isobutane	75-28-5	1.00-5.00		
Propane	74-98-6	0.50-1.50		

### SECTION 4. FIRST-AID MEASURES

**First-aid Measures**

**Inhalation**

If breathing is difficult, move person into fresh air. Keep at rest in a position comfortable for breathing. Immediately call a Poison Centre or doctor.

**Skin Contact**

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with water or shower. Get medical advice or attention if you feel unwell or are concerned. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

**Eye Contact**

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 or attention.

**Ingestion**

Rinse mouth with water. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Get medical advice or attention if you feel unwell or are concerned.

**Most Important Symptoms and Effects, Acute and Delayed**

May burn the skin. Permanent scarring may result. Symptoms include pain, redness, and swelling. May cause serious eye damage. May irritate or burn the eyes. Permanent damage including blindness may result. Symptoms include sore, red eyes, and tearing.

### SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing Media**

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### Suitable Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam.

### Unsuitable Extinguishing Media

Water. Do not use water jet as an extinguisher, as this will spread the fire.

### Specific Hazards Arising from the Product

Contains gas under pressure; may explode if heated. Extremely flammable aerosol. May intensify fire. Very toxic carbon monoxide, carbon dioxide.

### Special Protective Equipment and Precautions for Fire-fighters

Fight fire from a protected, explosion-resistant location or maximum distance possible. For a massive fire, immediately evacuate the area and use unmanned hose holder or monitor nozzles. Wear fire resistant clothing.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment.

### Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Stop or reduce leak if safe to do so. Ventilate the area to prevent the gas from accumulating, especially in confined spaces. Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Review Section 13 (Disposal Considerations) of this safety data sheet.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Pressurized container: do not spray on an open flame or other ignition source. Do not pierce or burn container, even after use. Do not weld, cut or perform hot work on empty container until all traces of product have been removed. Do not get in eyes, on skin or on clothing. Do not swallow. Only use where there is adequate ventilation. Wear personal protective equipment to avoid direct contact with this chemical.

### Conditions for Safe Storage

Pressurized container store at temperatures not exceeding: 50°C/122°F out of direct sunlight and away from heat and ignition sources, separate from incompatible materials (see Section 10: Stability and Reactivity).

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Diethylene glycol monobutyl ether	Not established		Not established		Not established	
Sodium hydroxide	Not established	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	Not established	Not established	2 mg/m <sup>3</sup>
Ethanolamine	Not established	6 ppm	3 ppm	Not established	Not established	Not established
Isobutane	1000 ppm		1000 ppm		800 ppm	
Propane	Not established	Not established	1000 ppm	Not established	Not established	Not established

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## Individual Protection Measures

### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

### Skin Protection

Ensure that eye stations and safety showers are proximal to the work-station location. Wear chemical protective clothing e.g. gloves, aprons, boots. Wear fire resistant or flame retardant clothing.

### Respiratory Protection

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	Colourless compressed gas.
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting Point/Freezing Point</b>	Not available (melting); Not available (freezing)
<b>Initial Boiling Point/Range</b>	105.43 °C (221.77 °F) (estimated)
<b>Flash Point</b>	-73.0 °C (-99.4 °F) (estimated)
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	Not available
<b>Solubility</b>	Not available in water
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	228 °C (442 °F)
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Gas

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

### Conditions to Avoid

Prolonged exposure to high temperatures. Incompatible materials.

### Incompatible Materials

Strong acids (e.g. hydrochloric acid).

### Hazardous Decomposition Products

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None known.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Diethylene glycol monobutyl ether	Not available	2400 mg/kg (mouse)	2700 mg/kg (rabbit)
Sodium hydroxide	Not available	Not available	1350 mg/kg (rabbit)
Ethanolamine	Not available	1090-3320 mg/kg (rat)	1000-2950 mg/kg (rabbit)
Isobutane	> 13023 ppm (rat) (4-hour exposure)	Not available	Not available
Propane	1355 mg/L (rat)	Not available	Not available

### Skin Corrosion/Irritation

Causes severe skin burns and eye damage.

### Serious Eye Damage/Irritation

Causes serious eye damage.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May cause severe nose and throat irritation.

#### Skin Absorption

Causes skin burns.

#### Ingestion

Harmful if swallowed. Causes digestive tract burns. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

### Aspiration Hazard

Not known to be an aspiration hazard.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause effects on the central nervous system, irritation of the respiratory system. May cause respiratory tract injury.

### Respiratory and/or Skin Sensitization

Not a respiratory sensitizer. Not known to be a skin sensitizer.

### Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Diethylene glycol monobutyl ether	Not Listed	Not Listed	Not Listed	Not Listed
Sodium hydroxide	Not Listed	Not Listed	Not Listed	Not Listed
Ethanolamine	Not Listed	Not Listed	Not Listed	Not Listed
Isobutane	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed

### Reproductive Toxicity

#### Development of Offspring

Not known to harm the unborn child.

#### Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

### Germ Cell Mutagenicity

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Not known to be a mutagen.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life, based on acute toxicity tests.

### Persistence and Degradability

No information was located.

### Bioaccumulative Potential

This product and its degradation products are not expected to bioaccumulate.

### Mobility in Soil

No information was located.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. This product and its container must be disposed of as hazardous waste. Do NOT dump into any sewers, on the ground or into any body of water. The container for this product can present explosion or fire hazards, even when emptied. Do not cut, puncture, or weld on or near this container. Do not reuse empty containers.

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1950	AEROSOLS, flammable	2.1	
IATA (Air)	1950	AEROSOLS, flammable	2.1	

**Environmental Hazards** Not applicable

### Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

This section is not required by WHMIS.

#### Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

#### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the DSL.

#### USA

#### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

**NFPA Rating** Health - 2 Flammability - 1 Instability - 0

**SDS Prepared By** Technical Manager

**Phone No.** 905-842-8300

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**Key to Abbreviations** IARC = International Agency for Research on Cancer  
**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

**Additional Information** All information is based upon our current knowledge and experience of our product and is not exhaustive. It applies to the product as defined by the specifications. In case of combinations of mixtures, one must confirm that no new hazards are likely to exist. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and integrity of the work environment. (Unless noted to the contrary, the technical information applies only to pure product). To our actual knowledge, the information contained herein is accurate as of the date of this document. However, neither Lawrason's, Inc. nor any of its affiliates makes any warranty, express or implied, or accepts any liability in connection with this information or its use. This information is for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. The user alone must finally determine suitability of any information or material for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. This information gives typical properties only and is not to be used for specification purposes. Lawrason's Inc. reserves the right to make additions, deletions or modifications to the information at any time without prior notification.

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