



# 811 Lemon Detergent

## SECTION 1. IDENTIFICATION

**Product Identifier** 811 Lemon Detergent  
**Other Means of Identification** Code No. 320 E  
**Recommended Use** Cleaner / disinfectant.  
**Restrictions on Use** Use only as directed according to label instructions.  
**Manufacturer/Supplier Identifier** Leysons Products, a division of 1787528 Ontario Inc., 1366 Sandhill Drive, Ancaster, Ontario, L9G 4V5, (905) 648-7832  
**Emergency Phone No.** Mark Bryans, (905) 648-7832 ext 351, Monday to Friday, 8:00 AM to 3:30 PM  
CANUTECH, 613-996-6666, 24-hr for Emergencies involving Dangerous Goods  
**SDS No.** 0348

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Acute toxicity (Oral) - Category 4; Skin corrosion - Category 1A; Serious eye damage - Category 1

### Label Elements



Danger  
Corrosive  
Harmful if swallowed.  
Causes severe eye damage and skin irritation or burns.  
Wash hands thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	68391-01-5	1-5		
Quaternary ammonium compounds, C12-18-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	68956-79-6	1-5		
Fragrance		<1.0		
Sodium metasilicate pentahydrate	10213-79-3	1-5		

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Tetrapotassium pyrophosphate	7320-34-5	1-5		
Alcohols, C9-11, ethoxylated, liquids	68439-46-3	1-5		

#### Notes

Concentrations are expressed in % weight/weight.

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

If irritation is experienced, remove person to fresh air.  
Get medical advice or attention if you feel unwell or are concerned.

#### Skin Contact

Rinse skin with plenty of water or shower.  
IF ON SKIN (or hair), remove all contaminated clothing and launder before reuse.

#### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open.  
If eye irritation persists, get medical advice or attention.

#### Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.  
If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again.  
Call a Poison Centre or doctor if you feel unwell.

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

May cause serious eye damage. May irritate or burn the eyes. Permanent damage including blindness may result.

### Immediate Medical Attention and Special Treatment

#### Target Organs

Eyes, skin, digestive system.

#### Medical Conditions Aggravated by Exposure

Asthma, skin allergies.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

### Specific Hazards Arising from the Product

If involved in a fire, it may generate oxides of carbon, nitrogen or ammonia if heated above its boiling point.

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

Wear full fire fighting equipment and self contained breathing apparatus.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Wear splash proof goggles, chemical resistant gloves and rubber boots.  
Do not allow contact with clothing.  
Increase ventilation to area or move leaking container to a well-ventilated and secure area.

### Environmental Precautions

Large quantities of concentrated material should be contained with a suitable absorbent and then disposed with according to local or federal regulations.

## Methods and Materials for Containment and Cleaning Up

Contain and/or absorb spill with commercial absorbents and then place into a suitable container for disposal.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Do not get in eyes, on skin or on clothing.

Do NOT ingest.

Keep containers tightly sealed when not in use.

Wear personal protective equipment to avoid direct contact with this chemical.

### Conditions for Safe Storage

Store in a cool dry area away from incompatible materials.

Keep out of reach of children in a tightly closed container away from food, drink and animal feed.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides		1000 ppm	1000 ppm			
Quaternary ammonium compounds, C12-18-alkyl[(ethylphenyl)methyl]dimethyl, chlorides		1000 ppm		1000 ppm		
Sodium metasilicate pentahydrate	Not established					
Tetrapotassium pyrophosphate	Not established					
Alcohols, C9-11, ethoxylated, liquids	Not established		Not established			

### Appropriate Engineering Controls

General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

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

#### Skin Protection

Wear protective gloves and clothing to prevent skin contact.

#### Respiratory Protection

Not usually required when working with small quantities.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Clear amber liquid.
Odour	Citrus
Odour Threshold	Not available
pH	~ 12.5
Melting Point/Freezing Point	Not available (melting); 0 °C (32 °F) (freezing)
Boiling point/Initial boiling point	100 °C (212 °F)

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<b>Boiling Range</b>	Not available
<b>Flash Point</b>	Not available
<b>Evaporation Rate</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>	~ 1.03
<b>Solubility</b>	Soluble in water; Not available (in other liquids)
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic)

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

Prolonged exposure to high temperatures.

Freezing.

Incompatible materials.

### Incompatible Materials

Strong acids (e.g. hydrochloric acid).

Oxidizing agents (e.g. peroxides).

### Hazardous Decomposition Products

May include but are not limited to oxides of carbon, nitrogen and ammonia.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides		50-500 mg/kg (rat)	
Quaternary ammonium compounds, C12-18-alkyl[(ethylphenyl)methyl]dimethyl, chlorides		> 50-500 mg/kg (rat)	
Sodium metasilicate pentahydrate		847 mg/kg (rat)	
Tetrapotassium		2444 mg/kg (rat)	4640 mg/kg (rabbit)

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pyrophosphate			
Alcohols, C9-11, ethoxylated, liquids		1378 mg/kg (rat)	> 2000 mg/kg (rabbit)

#### **Skin Corrosion/Irritation**

May cause irritation on prolonged contact.

#### **Serious Eye Damage/Irritation**

May cause severe irritation or burns.

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

##### **Inhalation**

Not expected to cause any significant irritation.

##### **Skin Absorption**

May cause irritation on prolonged contact.

##### **Ingestion**

May be harmful if swallowed.

#### **Aspiration Hazard**

May be drawn into the lungs (aspirated) if swallowed or vomited.

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

Conclusions cannot be drawn from the limited studies available.

#### **Respiratory and/or Skin Sensitization**

Not expected to produce any respiratory system problems when used in a well ventilated area.

#### **Carcinogenicity**

Group 3 – Not classifiable as to its carcinogenicity to humans.

#### **Reproductive Toxicity**

##### **Development of Offspring**

Not known to harm the unborn child.

#### **Germ Cell Mutagenicity**

Not mutagenic.

#### **Interactive Effects**

No information was located.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

May cause adverse effects in the aquatic environment.

### Persistence and Degradability

May cause adverse effects in the aquatic environment.

### Bioaccumulative Potential

No information was located.

### Mobility in Soil

No information was located.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of or recycle empty containers through an approved waste management facility.

Treat waste in an approved waste disposal facility.

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
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Canadian TDG	1760	Corrosive Liquid N.O.S. (Sodium Metasilicate solution)	8	III
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**Special Precautions** Not applicable

**Transport in Bulk according to International Maritime Organization Instruments**

Not applicable

## SECTION 15. REGULATORY INFORMATION

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Mark Bryans

**Phone No.** (905) 648-7832 ext 351

**Date of Preparation** August 26, 2020

**Disclaimer** To the best of our knowledge, the information contained herein is accurate. However, the user of this product assumes all risks and responsibilities relating to the use of this product.  
No representation of warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or product to which the information refers.

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