

Lemon Gard

SECTION 1. IDENTIFICATION

Product Identifier	Lemon Gard
Other Means of Identification	530
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
SDS No.	0410

SECTION 2. HAZARD IDENTIFICATION

Classification

Eye irritation - Category 2B

Label Elements

Warning

May cause skin and eye irritation.

Harmful if swallowed.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
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	
Sodium carbonate	497-19-8	1-5	
Sodium tripolyphosphate	7758-29-4	1-5	
Poly(oxy-1,2-ethanediyl)-, alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	1-5	
Fragrance		<1.0	
Ethanol	64-17-5	0.1-1.0	

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

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.

Call a physician if irritation develops or persists.

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 be harmful if swallowed.

May cause skin irritation on prolonged contact.

May cause moderate to severe eye irritation.

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 respirator.

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.

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.

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.

Product Identifier: Lemon Gard

SDS No.: 0410

Date of Preparation: February 17, 2017

Page 02 of 05

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Sodium carbonate	Not established					
Sodium tripolyphosphate	Not established					
Poly(oxy-1,2-ethanediyl)-, alpha-(4-nonylphenyl)-omega-hydroxy-, branched	10 Not established					

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Wear eye protection if contact is not preventable.

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 (Fragrance)
pH	~ 11.2
Melting Point/Freezing Point	~ 0 °C (32 °F) (freezing)
Initial Boiling Point/Range	100 °C (212 °F)
Flash Point	Not available
Evaporation Rate	Not available
Solubility	Soluble in water
Other Information	
Physical State	Liquid
Bulk Density	1.05 kg/L

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)
Sodium carbonate	2300 mg/m3 (rat) (2-hour exposure)	2390 mg/kg (rat)	Not available
Sodium tripolyphosphate		6500 mg/kg (rat)	
Poly(oxy-1,2-ethanediyl)-, alpha-(4-nonylphenyl)-omega-hydroxy-, branched	Not available	> 1600 mg/kg (rat)	> 2000 mg/kg (rat)

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

No chronic effects are expected provided adequate person protection is taken during usage.
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

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

Special Precautions 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

Canada

WHMIS 1988 Classification



Class D2B

D2B - Toxic (Skin irritant; Eye irritant)

SECTION 16. OTHER INFORMATION

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Product Identifier: Lemon Gard

SDS No.: 0410

Date of Preparation: February 17, 2017

Page 05 of 05