

## SECTION 1 - IDENTIFICATION

**Product identifier/Trade name:** LEMON LAUNDRY DETERGENT LAUNDRY DETERGENT

**Other means of identification:** 1804713

**Recommended use:** Laundry detergent in powder form

**Restriction on use:** For industrial, institutional and food plant use only.

**Initial supplier identifier:** CHANDLER  
225 Thorne Avenue,  
Saint John, New Brunswick, Canada E2L 4L9  
Phone: 1-800-363-9611

**Emergency phone number:** (613) 996-6666 (CANUTEC)

## SECTION 2 - HAZARDS IDENTIFICATION

### 2a WHMIS 2015 - GHS (Globally Harmonized System) classification:

This product is classified as a skin irritant category 2 and an eye irritant category 2.

### 2b Label elements:

Pictogram:



### PRECAUTIONIONARY STATEMENT:

**KEEP OUT OF REACH OF CHILDREN.** Wash hands thoroughly after handling. Wear eye protection. Wear rubber gloves and eye protection.

### FIRST AID:

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice.

**IF ON SKIN:** Wash with plenty water. If skin irritation occurs: get medical advice. Take off contaminated clothing and wash it before reuse.

**Warning statement:** WARNING

**Hazard statement:** Causes serious eye irritation. Causes skin irritation.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (weight)	GHS CLASSIFICATION
Ethoxylated alcohol	68131-39-5	1-5	Eye irritation, category 2 Skin irritation, category 2
Sodium carbonate	497-19-8	3-7	Eye irritation, category 2
Sodium metasilicate	6834-92-0	1-2.5	Eye irritation, category 2 Skin irritation category 2 Specific target organ toxicity (single exposure) category 3
Potassium cocoate	61789-30-8	0.1-1.0	Skin irritation, Category 2 Eye irritation, Category 2

The actual concentrations are withheld as a trade secret.

## SECTION 4 - FIRST AID MEASURES

**4a Description of first aid measures:**

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice.

**Skin contact:** Wash with plenty water. If skin irritation occurs: get medical advice. Take off contaminated clothing and wash it before reuse.

**Inhalation:** Bring the person to fresh air.

**Ingestion:** Rinse mouth. Call a doctor if you feel unwell. Never give anything by mouth if the person is unconscious.

**4b Most important symptoms and effects:**

**Eye contact:** May cause irritation, redness, tears, burning sensation.

**Skin contact:** May cause irritation.

**Inhalation:** May cause irritation to respiratory tract.

**Ingestion:** May cause slight irritation, headache, abdominal pain, diarrhea, nausea, and vomiting.

**4c Immediate medical attention and special treatment needed.**

No special treatment.

## SECTION 5 - FIRE FIGHTING MEASURES

**5a Extinguishing media:**

**Suitable extinguishing media:** Water (if possible, avoid powerful jets), foam, dry chemicals, carbon dioxide. Product itself is not flammable.

**Unsuitable extinguishing media:** None known.

**5b Specific hazards for product:**

**Hazardous combustion products:** Oxides of carbon, and other irritating gases.

### 5c Special protective equipment and precautions for firefighters

**Special fire-fighting procedures/equipment:** During a fire, irritating and toxic smoke and fumes may be generated. A self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating and toxic products produced during the combustion. Move containers from fire area if it can be done without risk. A stream of water directed into the product generates a lot of foam.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### 6a Personal precautions, protective equipment, and emergency procedures:

**Personal protection:** Wear gloves and safety glasses. Use adequate aeration and ventilation. Floor will be slippery in case of a spill. Use appropriate personal protection equipment (see section 8)

### 6b Methods and materials for containment and cleaning:

Stop the leak. For large spills, pump the product into drums or clean up spills using absorbent material and place in waste container for destruction. Resume cleaning by rinsing with water. Caution: floors will be very slippery.

**6c Environmental precautions:** Product is biodegradable and is phosphate-free. Do not let large quantities go to the sewers.

## SECTION 7 - HANDLING AND STORAGE

### 7a Precautions for safe handling:

Avoid contact with eyes and prolonged contact with skin. Avoid breathing dust. See section 2 for details.

### 7b Condition for safe storage:

Keep in a tightly sealed container in a well-ventilated room. Do not store on surfaces that may come into contact with food products.

### 7c Special packaging materials:

none.

Avoid contact with strong acids.

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8a Control parameters:

	Ontario Time-weighted Average Limit (TWA)	Ontario Short-Term Exposure Limit (STEL)	Notations
Ethoxylated alcohol	None established	None established	
Sodium carbonate	None established	None established	
Sodium metasilicate	None established	None established	
Potassium cocoate	None established	None established	

**8b Engineering controls:**

Not required

**8c Individual protection measures:**

**Respiratory Protection:** Not required. If dust is generated during use, wear mask for dusts.

**Skin protection and other protective equipment:** Rubber gloves. Waterproof boots for large spills.

**Eye / face protection:** In case of possible eye contact, safety glasses are suggested.

**General hygiene considerations:** KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes and skin. Never eat, drink, or smoke in work areas. Good hygiene is recommended after use of this product.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance and odor:</b>	White powder with lemon scent
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Approximately 12 at 30 g/L
<b>Melting point and freezing point:</b>	Not applicable
<b>Boiling point:</b>	Not applicable
<b>Flash point:</b>	None
<b>Evaporation rate (n-BuAc =1):</b>	Not applicable
<b>Lower flammable limit (% by volume):</b>	Not applicable
<b>Upper flammable limit (% by volume):</b>	Not applicable
<b>Explosion data - Sensitivity to mechanical impact:</b>	Not sensitive
<b>Explosion data - Sensitivity to static discharge:</b>	Not sensitive
<b>Vapour pressure (mm Hg)</b>	Not applicable
<b>Vapour density:</b>	Not applicable
<b>Specific gravity or density (water = 1 at 4 °C):</b>	Not applicable
<b>Solubility in water:</b>	High solubility in water
<b>Partition coefficient – n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity:</b>	Not applicable

**SECTION 10 - STABILITY AND REACTIVITY**

**10a Reactivity:**

Not applicable.

**10b Chemical stability:**

Stable at room temperature, in normal handling and storage conditions.

**10c Possibility of hazardous reactions:**

May react with strong acids.

**10d Conditions to avoid:**

Avoid contact with strong acids.

**10e Incompatible materials:**

Strong acids.

**10f Hazardous decomposition products:**

With strong alkalis: heat, water vapor.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Primary entry route(s):** Eye, skin, and ingestion.

**Eye contact:** May cause irritation, redness, tears, burning sensation.

**Skin contact:** May cause irritation.

**Inhalation:** May cause irritation to respiratory tract.

**Ingestion:** May cause slight irritation, headache, abdominal pain, diarrhea, nausea, and vomiting.

**Carcinogenicity:** No ingredient listed by IARC as a possible carcinogen.

**Teratogenicity, mutagenicity, other reproductive effects:** Mutagenic tests have been negative for ingredients

**Skin sensitization:** Ingredients not sensitizing as per OECD 406.

**Respiratory tract sensitization:** Not available.

**Synergistic materials:** Not available.

**Other important hazards:** Not available.

**Toxicological data:** The calculated LD50 for this product is greater than 10,000 mg/Kg, (oral, rat); our products are not tested on animals.

Ingredient	LD50 (route, species)	LC50 # hours (species)
Sodium carbonate	4,090 mg/kg (oral, rat) 2,210 mg/kg (dermal, rabbit)	Not available
Ethoxylated alcohol	>2,000 mg/kg (oral, rat) >2,000 mg/kg (dermal, rabbit)	Not available
Sodium metasilicate	1,153 mg/kg (oral, rat)	Not available

*For more details, refer to Section 3.*

**SECTION 12 - ECOLOGICAL INFORMATION**

**12a Ecotoxicity:**

Toxicity (fishes)	Value EC50	Exposure Time	Method
Ethoxylated alcohol	70.1 mg/kg	48H	Not available
Sodium carbonate	Trout and salmon: 68-80 mg/L	96H	Not available
Sodium metasilicate	Leuciscus idus: >146 mg/L	48H	Not available

Toxicity (Daphnia)	Value EC50	Exposure Time	Method
Ethoxylated alcohol	5.3 mg/L	48H	Not available
Sodium carbonate	>146mg/L	24H	OCDE 202
Sodium metasilicate	>300 mg/L	48H	Not available

**Safety Data Sheet: LEMON LAUNDRY DETERGENT LAUNDRY DETERGENT**

<b>Toxicity (Algae)</b>	<b>ValueEC50</b>	<b>Exposure Time</b>	<b>Method</b>
Ethoxylated alcohol	Not available	Not available	Not available
Sodium carbonate	Selenastrum EC50 230 mg/L	96H	Not available
Sodium metasilicate	Desmodesmus subspicatus EC50 207 mg/l	72H	Not available

**12b Persistence and degradability:**

Product is expected to be readily biodegradable as per OECD 301.

**12c Bioaccumulation potential:**

Don't show bioaccumulation.

**12d Mobility in soil:**

Not available.

**12e Other adverse effect:**

No applicable information found.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Dispose of material according to regional, provincial and federal regulations.

**SECTION 14 - TRANSPORTATION INFORMATION**

**Transportation of Dangerous Goods (TDG) in Canada:** Not regulated.

**UN number:** Not applicable

**Proper shipping name:** Not applicable

**Class:** Not applicable

**Identification number:** Not applicable

**Packing group:** Not applicable

**Special case:** Not applicable

**SECTION 15 - REGULATORY INFORMATION**

In Canada

**WHMIS information:** This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and this safety data sheet (SDS) contains all the information required by the HPR.

**WHMIS Classification:** See section 2a

**CEPA information:** Ingredients are listed on the DSL inventory.

**SECTION 16 - OTHER INFORMATION**

**Date of latest revision:** 2022-03-18

**References:**

1. Manufacturer'/suppliers' MSDS.
2. Occupational Exposure Limits for Ontario Workplaces required under Regulation 833
3. International Agency for Research on Cancer Monographs
4. The European Chemicals Agency (ECHA) website.

**Abbreviations:**

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CAS</b>	Chemical Abstract Service
<b>CEPA</b>	Canadian Environmental Protection Act
<b>cps</b>	Centipoises
<b>DSL</b>	Domestic Substance List
<b>HMIS</b>	Hazardous Material Information System
<b>IARC</b>	International Agency for Research on Cancer
<b>LC</b>	Lethal concentration
<b>LD</b>	Lethal Dosage
<b>N/Av</b>	Not available
<b>N/Ap</b>	Not Applicable
<b>NFPA</b>	National Fire Protection Association
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NTP</b>	National Toxicology Program (U.S.A.)
<b>OSHA</b>	Occupational Safety and Health Administration (U.S.A.)
<b>PEL</b>	Permissible Exposure Limit
<b>TLV</b>	Threshold Limit Value
<b>WHMIS</b>	Workplace Hazardous Materials Information System

**End of the SDS**