



**SECTION 1 - IDENTIFICATION**

**Product identifier/Trade name:** SAFEBLEND DISH DETERGENT, LEMON  
**Other means of identification:** VCLE  
**Recommended use and restriction on use:** Dish detergent  
**Restriction on use:** For industrial, institutional and food plants use only.  
**Initial supplier identifier:** Safblend (Chemotec).  
5800 ONTARIO E.  
MONTRÉAL, QC H1N 0A2  
Phone: (514) 729-6321; 1-800-729-6321  
**Emergency phone number:** 1-800-729-6321  
(Available from 8:00am to 4:30pm Monday to Friday)

**SECTION 2 - HAZARDS IDENTIFICATION**

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

This product is not classified under WHMIS 2015 - GHS

**2b Label elements**

None as per WHMIS 2015

**Precautionary statement**

Not regulated under WHMIS 2015. See applicable sections.

**Signal word:**

None as per WHMIS 2015

**Hazard statement**

None as per WHMIS 2015

**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients	CAS #	% (weight)	GHS CLASSIFICATION
Sodium linear alkylbenzene sulfonate	68081-81-2	3-7	Acute toxicity oral and skin contact, category 4 Eye irritation, category 2
Amides, Coco, N-(hydroxyethyl)	68140-00-1	0.1-2	Skin irritation, category 2 Eye damage, category 1
Alpha-sulfo-omega-hydroxypoly (oxy -1,2-ethanidiyl) C10-16 Alkyl Ethers, Sodium Salts	68585-34-2	1-5	Acute toxicity oral, category 4 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:**

Flush or rinse eyes with water after contact. If eye irritation persists, get medical advice.

**Skin contact:**

Rinse with water. If irritation occurs, get medical advice.

**Inhalation:**

No effect expected

**Ingestion:**

Rinse mouth with water. Never give anything by mouth if the person is unconscious.

**4b Most important symptoms and effects**

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

**Skin:** No effect expected.

**Inhalation:** No effect expected.

**Ingestion:** May cause slight irritation, headache, abdominal pain, diarrhoea, 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 sprays), foam, dry chemicals, carbon dioxide. The product itself is not flammable.

Unsuitable extinguishing media:

None known.

**Specific hazards for product**

Hazardous combustion products:

Oxides of carbon, nitrogen, and other irritating gases.

**Special protective equipment and precautions for firefighters**

Special fire-fighting procedures/equipment:

During a fire, irritating smoke and fumes may be generated. A self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating 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:

Avoid contact with eyes. Floor will be slippery in case of a Spill.



**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. Resume cleaning by rinsing with water. Caution: floors will be slippery

**6c Environmental precautions:**

Product is biodegradable. Do not let large quantities go to the sewers.

**SECTION 7 - HANDLING AND STORAGE**

**7a Precautions for safe handling:**

Avoid contact with eyes. When used as directed, no special precautions.

**7b Condition for safe storage:**

Store in a sealed container in a well-ventilated place. Do not store with food products. Keep from freezing.

**7c Special packaging materials:** none.

No incompatibility with most materials found in most workplaces.

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**8a Control parameters:**

	<b>Ontario Time-weighted Average Limit (TWA)</b>	<b>Ontario Short-Term Exposure Limit (STEL)</b>	<b>Notations</b>
	None established	None established	

**8b Engineering controls:**

Not required under normal applications.

**8c Individual protection measures**

Respiratory Protection:

Not required under normal applications.

Skin protection and other protective equipment:

Waterproof boots for large spills. Rubber gloves.

Eye / face protection:

Not required under normal applications. In case of possible eye contact, safety glasses are advised.

General hygiene considerations:

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

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state**

Viscous liquid.

**Colour**

Yellow

**Odour**

Lemon scent

**Melting point and freezing point**

Approximately 0 °C

**Boiling point:**

Approximately 100 °C



<b>Flammability</b>	N/A
<b>Lower and upper flammability limit</b>	N/A
<b>Flash point</b>	None to boil
<b>Auto-ignition temperature</b>	N/A
<b>Decomposition temperature</b>	N/A
<b>pH</b>	6.5-7.5
<b>Viscosity:</b>	650-900 cps @ 24 °C
<b>Solubility in water:</b>	Miscible
<b>Partition coefficient – n-octanol/water</b>	N/A
<b>Vapour pressure (mm Hg)</b>	Approximately 20 (water)
<b>Specific gravity or density (water = 1 at 4 °C):</b>	1.03 g/cm <sup>3</sup> @ 20 °C
<b>Relative vapour density</b>	Approximately 0.6 (water)
<b>Particle characteristics</b>	N/A

## SECTION 10 - STABILITY AND REACTIVITY

### 10a Reactivity:

Not applicable when used as directed.

### 10b Chemical stability:

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

### 10c Possibility of hazardous reactions:

May react with strong oxidizers.

### 10d Conditions to avoid:

Avoid contact with strong oxidizers.

### 10e Incompatible materials:

Strong oxidizers

### 10f Hazardous decomposition products:

With strong oxidizers: heat, water vapor. Oxides of carbon, nitrogen and other irritating gases.

## SECTION 11 - TOXICOLOGICAL INFORMATION

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

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

**Skin:** No effect expected. Continuous and prolonged contact with the undiluted product may lead to skin irritation.

**Inhalation:** No effect expected.

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

**Carcinogenicity:**

No ingredient listed by IARC as a possible carcinogen.

**Teratogenicity, mutagenicity, other reproductive effects:** Mutagenic tests were 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 LD<sub>50</sub> for this product is greater than 10,000 mg/Kg, oral, rat; our products are not tested on animals.

Ingredient	LD <sub>50</sub> (route, species)	LC <sub>50</sub> # hours (species)
Amides, Coco, N-(hydroxyethyl)	7,400 mg/kg (oral, rat) >2,000 mg/kg (dermal, rabbit)	N/Av
Alpha-sulfo-omega-hydroxypoly (oxy -1,2-ethanidiyl) C10-16 Alkyl Ethers, Sodium Salts	1,600 mg/kg (dermal, rabbit) >2,000 mg/kg (oral, rat)	N/Av
Sodium linear alkylbenzene sulfonate	1,080 mg/kg (dermal, rabbit) >2,000 mg/kg (oral, rat)	N/Av

For more details, refer to Section 3.

## SECTION 12 - ECOLOGICAL INFORMATION

### 12a Ecotoxicity:

TOXICITY (Fish)	Results	Exposure time	Method
Amides, Coco, N-(hydroxyethyl)	114-196 mg/kg	96H	N/Av
Alpha-sulfo-omega-hydroxypoly (oxy -1,2-ethanidiyl) C10-16 Alkyl Ethers, Sodium Salts	28 mg/kg	96H	N/Av
Sodium linear alkylbenzene sulfonate	3.0	96H	N/Av

TOXICITY (Daphnia)	Results	Exposure time	Method
Amides, Coco, N-(hydroxyethyl)	24.8 mg/L	48H	N/Av
Alpha-sulfo-omega-hydroxypoly (oxy -1,2-ethanidiyl) C10-16 Alkyl Ethers, Sodium Salts	3.12 mg/L	48H	N/Av
Sodium linear alkylbenzene sulfonate	1.62 mg/L	48H	N/Av

TOXICITY (Algae)	Results	Exposure time	Method
Amides, Coco, N-(hydroxyethyl)	Scenedesmus subspicatus 16,6 mg/L	96H	N/Av
Alpha-sulfo-omega-hydroxypoly (oxy -1,2-ethanidiyl) C10-16 Alkyl Ethers, Sodium Salts	Selenastrum capricornutum), 30 mg/L	21 days	N/Av
Sodium linear alkylbenzene sulfonate	Selenastrum capricornutum), 29,0 mg/L	48H	N/Av

**12b Persistence and degradability:** Product is expected to be readily biodegradable as per OECD 301.

**12c Bioaccumulation potential:** Not available

**12d Mobility in soil:** There is no test data on this product.

**12e Other adverse effect:** No applicable information found

## SECTION 13 - DISPOSAL CONSIDERATIONS

Eliminate according to federal, provincial and local regulations.

For additional information, at the federal level,

see <http://www.ec.gc.ca/gdd-mw/default.asp?lang=En&n=39D0D04A-1>

In Alberta, see <http://esrd.alberta.ca/waste/hazardous-waste-management/default.aspx>



In B.C., see <http://www2.gov.bc.ca/gov/topic.page?id=DC31CEF84F634025839C66F7F80164E8>  
In Manitoba, see <http://www.gov.mb.ca/conservation/eal/haz-waste/faq/index.html>  
In New-Brunswick, see [http://breaudisposal.nb.ca/breaudisposal/prohibited\\_waste.htm](http://breaudisposal.nb.ca/breaudisposal/prohibited_waste.htm)  
In NFLD, see [http://www.env.gov.nl.ca/env/env\\_protection/waste/](http://www.env.gov.nl.ca/env/env_protection/waste/)  
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In Northwest territories, see <http://www.enr.gov.nt.ca/programs/hazardous-waste>  
In Nova Scotia, see <http://novascotia.ca/snsmr/paal/nse/paal180.asp>  
In Nunavut, see <http://www.nmto.ca/course/other-training/hazardous-waste-management>  
In Ontario, see <https://www.ontario.ca/environment-and-energy/hazardous-waste-management-business-and-industry>  
In PEI, see <http://www.gov.pe.ca/environment/hazardous-waste>  
In Quebec, see <http://www.mdelcc.gouv.qc.ca/matieres/dangereux/>  
In Saskatchewan, see <http://www.publications.gov.sk.ca/details.cfm?p=24515>  
In Yukon, see [http://www.env.gov.yk.ca/air-water-waste/special\\_waste\\_regs.php](http://www.env.gov.yk.ca/air-water-waste/special_waste_regs.php)

## 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) contain 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:** 2026-01-22

#### 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:

ACGIH American Conference of Governmental Industrial Hygienists  
CAS Chemical Abstract Service  
CEPA Canadian Environmental Protection Act



cps	Centipoises
DSL	Domestic Substance List
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal concentration
LD	Lethal Dosage
N/Av	Not available
N/Ap	Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
WHMIS	Workplace Hazardous Materials Information System

End of the MSDS