

#### LEMON LIFT

## **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : LEMON LIFT

Other means of identification : not applicable

Recommended use : Cleaning product

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Inc.

370 N. Wabasha Street

St. Paul, Minnesota USA 55102

1-800-352-5326

Emergency telephone : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 02/13/2014

## **SECTION 2. HAZARDS IDENTIFICATION**

#### **GHS Classification**

Skin irritation : Category 2 Eye irritation : Category 2A

#### **GHS Label element**

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Causes skin irritation.

Causes serious eye irritation.

Precautionary Statements : Prevention:

Warning! Do not use together with other products. May release dangerous gases (chlorine). Wash skin thoroughly after handling. Wear eye protection/ face protection. Wear protective gloves.

Response:

IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

Other hazards : None known.

# **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance/mixture : Mixture

Chemical Name CAS-No. Concentration (%)

sodium hypochlorite 7681-52-9 1 - 5

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1-octanesulfonic acid, sodium salt 5324-84-5 1 - 5

## **SECTION 4. FIRST AID MEASURES**

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at

least 15 minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Get medical attention.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use

a mild soap if available. Get medical attention if irritation develops and

persists.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal

protective equipment.

Notes to physician : Treat symptomatically.

See toxicological information (Section 11)

## **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Unsuitable extinguishing

media

: None known.

Specific hazards during fire

fighting

: Exposure to decomposition products may be a hazard to health.

Hazardous combustion

products

: Carbon oxides

Special protective equipment

for fire-fighters

: Use personal protective equipment.

Specific extinguishing

methods

: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up

: Stop leak if safe to do so. Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to

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local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

## **SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : Warning! Do not use together with other products. May release

dangerous gases (chlorine). Avoid contact with skin and eyes. Do not ingest. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling.

Use only with adequate ventilation.

Conditions for safe storage : Do not store near acids. Keep out of reach of children. Keep container

tightly closed. Store in suitable labeled containers.

Storage temperature : 5 °C to 40 °C

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### Ingredients with workplace control parameters

Ingredients	CAS-No.	Form of exposure	Permissible concentration	Basis
sodium hypochlorite	7681-52-9	STEL	2 mg/m3	WEEL

Engineering measures : Good general ventilation should be sufficient to control worker

exposure to airborne contaminants.

#### Personal protective equipment

Eye protection : Safety glasses with side-shields

Hand protection : Wear the following personal protective equipment:

Standard glove type.

Gloves should be discarded and replaced if there is any indication of

degradation or chemical breakthrough.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid
Color : amber
Odor : citrus

pH : 12.8, 100 %

Flash point : not applicable

Odor Threshold : no data available

Melting point/freezing point : no data available

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Initial boiling point and

boiling range

: 100 °C

Evaporation rate : no data available Flammability (solid, gas) : no data available : no data available Upper explosion limit Lower explosion limit : no data available : no data available Vapor pressure Relative vapor density : no data available

Relative density : 1.047

Water solubility : no data available Solubility in other solvents : no data available Partition coefficient: n-: no data available

octanol/water

Autoignition temperature : no data available Thermal decomposition : no data available Viscosity, kinematic : no data available Explosive properties : no data available Oxidizing properties no data available Molecular weight : no data available VOC : no data available

## **SECTION 10. STABILITY AND REACTIVITY**

: Stable under normal conditions. Chemical stability

Possibility of hazardous

reactions

: Warning! Do not use together with other products. May release

dangerous gases (chlorine).

Conditions to avoid : None known.

Incompatible materials : Acids

Hazardous decomposition

products

: Carbon oxides

## **SECTION 11. TOXICOLOGICAL INFORMATION**

exposure

Information on likely routes of : Inhalation, Eye contact, Skin contact

#### **Potential Health Effects**

: Causes serious eye irritation. Eyes

Skin : Causes skin irritation.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

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Chronic Exposure : Health injuries are not known or expected under normal use.

## **Experience with human exposure**

Eye contact : Redness, Pain, Corrosion, Irritation

Skin contact : Redness, Pain, Irritation, Corrosion

Ingestion : Corrosion, Abdominal pain

Inhalation : Respiratory irritation, Cough

**Toxicity** 

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg

Acute inhalation toxicity : no data available

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg

Skin corrosion/irritation : Skin irritation Serious eye damage/eye : Eye irritation

irritation

Respiratory or skin

sensitization

: no data available

Carcinogenicity : no data available Reproductive effects : no data available Germ cell mutagenicity : no data available : no data available Teratogenicity STOT-single exposure : no data available STOT-repeated exposure : no data available Aspiration toxicity : no data available

Ingredients

Acute inhalation toxicity : sodium hypochlorite

1 h LC50 rat: > 10,500 mg/l

# **SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity** 

**Environmental Effects** : Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

**Product** 

Toxicity to fish : no data available Toxicity to daphnia and other : no data available

aquatic invertebrates

: no data available Toxicity to algae

Ingredients

Toxicity to daphnia and other : sodium hypochlorite

aquatic invertebrates

48 h EC50 Daphnia: 0.071 mg/l

1-octanesulfonic acid, sodium salt

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48 h EC50 Daphnia: 3,200 mg/l

## Persistence and degradability

no data available

## **Bioaccumulative potential**

no data available

#### Mobility in soil

no data available

#### Other adverse effects

no data available

## **SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods : The product should not be allowed to enter drains, water courses or

the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste

disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to

an approved waste handling site for recycling or disposal. Do not re-

use empty containers.

RCRA - Resource : D002 (Corrosive)

Conservation and Recovery Authorization Act Hazardous

waste

# SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

## Land transport (DOT)

Not dangerous goods

## Sea transport (IMDG/IMO)

Not dangerous goods

## **SECTION 15. REGULATORY INFORMATION**

## **EPCRA - Emergency Planning and Community Right-to-Know**

#### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

## SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

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SARA 302 : SARA 302: No chemicals in this material are subject to the reporting

requirements of SARA Title III, Section 302.

SARA 313 : SARA 313: This material does not contain any chemical components

with known CAS numbers that exceed the threshold (De Minimis)

reporting levels established by SARA Title III, Section 313.

## California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

## 1907/2006 (EU):

not determined

## Switzerland. New notified substances and declared preparations :

not determined

#### **United States TSCA Inventory:**

On TSCA Inventory

#### Canadian Domestic Substances List (DSL):

All components of this product are on the Canadian DSL.

## Australia Inventory of Chemical Substances (AICS):

not determined

#### New Zealand. Inventory of Chemical Substances:

not determined

#### Japan. ENCS - Existing and New Chemical Substances Inventory :

not determined

## Japan. ISHL - Inventory of Chemical Substances (METI) :

not determined

## Korea. Korean Existing Chemicals Inventory (KECI):

not determined

#### Philippines Inventory of Chemicals and Chemical Substances (PICCS):

not determined

# China. Inventory of Existing Chemical Substances in China (IECSC) :

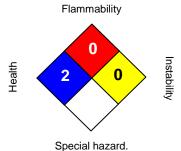
not determined

## **SECTION 16. OTHER INFORMATION**

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## NFPA:



#### HMIS III:

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 = Extreme, \* = Chronic

Issuing date : 02/13/2014

Version : 1.0

Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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