

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date: 21 December 2018

Revision: 21 December 2018

## SECTION 1: Identification of the substance/mixture and of the company/ undertaking

- **1.1 Product identifier**
- **Trade name:** Lemon Suds v.7
- **Article number:** 100460
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** Detergents
- **Uses advised against:** No further relevant information available.
- **1.3 Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
Theochem Laboratories  
7373 Rowlett Park Drive  
Tampa, FL 33610  
Phone: 813-237-6463
- **1.4 Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924 (North America)  
+1 (813)248-0585 (International)



## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Classifications listed are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).  
The following Hazard Statements are applicable only according to OSHA regulations within the United States. These statements are not applicable for the CLP regulation (1272/2008/EC) in the EU: H317.  
Eye Irrit. 2 H319 Causes serious eye irritation.  
Skin Sens. 1 H317 May cause an allergic skin reaction.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the Globally Harmonized System within the United States.  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**
-   
GHS07
- **Signal word** Warning
- **Hazard statements**  
The following Hazard Statements are applicable only according to OSHA regulations within the United States. These statements are not applicable for the CLP regulation (1272/2008/EC) in the EU: H317.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.

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**Precautionary statements**

The following Precautionary Statements are applicable only to the OSHA GHS regulations and not the EU CLP regulations: P261, P272, P302+P352, P333+P313, P363, P501.

- P261 Avoid breathing mist/vapours/spray.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves / eye protection.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

Contains (R)-p-mentha-1,8-diene. May produce an allergic reaction.

**NFPA ratings (scale 0 - 4)****HMIS-ratings (scale 0 - 4)**

- **2.3 Other hazards** There are no other hazards not otherwise classified that have been identified.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

**3.2 Mixtures****Components:**

CAS: 68585-34-2 NLP: 500-223-8	Alcohols, C10-16, ethoxylated, sulfates, sodium salts ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤4%
CAS: 25155-30-0 EINECS: 246-680-4 Reg.nr.: 01-2120088038-51-XXXX	Sodium dodecylbenzenesulphonate ⚠ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315	<4%
CAS: 61789-40-0 EINECS: 263-058-8 Reg.nr.: 01-2120770501-61-XXXX	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	<2%
CAS: 68002-97-1 NLP: 500-182-6	Alcohols, C10-C16, ethoxylated ⚠ Eye Dam. 1, H318	<0,25%

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	<ul style="list-style-type: none"> <li> Aquatic Acute 1, H400</li> <li> Acute Tox. 4, H302; Skin Irrit. 2, H315</li> </ul>	
CAS: 5989-27-5 EINECS: 227-813-5 Index number: 601-029-00-7 Reg.nr.: 01-2119529223-47-XXXX	(R)-p-mentha-1,8-diene <hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> <li> Flam. Liq. 3, H226</li> <li> Aquatic Acute 1, H400; Aquatic Chronic 1, H410</li> <li> Skin Irrit. 2, H315; Skin Sens. 1, H317</li> </ul>	<0,25%

**Additional information:**

For the wording of the listed Hazard Statements refer to section 16.

For the listed ingredient(s), the identity and/or exact percentages are being withheld as a trade secret.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Immediately rinse with water.

If skin irritation or rash occurs: Get medical advice/attention.

- **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

Causes eye irritation.

Nausea in case of ingestion.

Gastric or intestinal disorders when ingested.

Allergic reactions

**4.3 Indication of any immediate medical attention and special treatment needed**

Contains (R)-p-mentha-1,8-diene. May produce an allergic reaction.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

- **Suitable extinguishing agents:**

The product is not flammable.

Use fire extinguishing methods suitable to surrounding conditions.

- **For safety reasons unsuitable extinguishing agents:** None.

**5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

**5.3 Advice for firefighters**

- **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

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## SECTION 6: Accidental release measures

### · 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation  
Particular danger of slipping on leaked/spilled product.  
Use personal protective equipment as required.

### · 6.2 Environmental precautions

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### · 6.3 Methods and material for containment and cleaning up

Wipe up small spills with paper towel and discard.  
For larger spills, add sawdust, chalk or other inert binding material, then sweep up and discard.  
Clean the affected area carefully; suitable cleaners are:  
Warm water

### · 6.4 Reference to other sections

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

### · 7.1 Precautions for safe handling

Handle with care.

### · 7.2 Conditions for safe storage, including any incompatibilities

#### · Requirements to be met by storerooms and receptacles:

Store in cool, dry conditions in well sealed receptacles.

#### · Information about storage in one common storage facility:

No special requirements.

### · 7.3 Specific end use(s)

No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### · 8.1 Control parameters

#### · Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### · DNELs:

No further relevant information available.

#### · PNECs:

No further relevant information available.

### · 8.2 Exposure controls

#### · General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

#### · Respiratory protection:

Not required under normal conditions of use.

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- For spills, respiratory protection may be advisable.
- **Protection of hands:**  
Not required under normal conditions of use.  
Wear protective gloves to handle contents of damaged or leaking units.  
Gloves are advised for repeated or prolonged contact.
- **Eye protection:** Follow relevant national guidelines concerning the use of protective eyewear.
- **Body protection:**  
Protective work clothing  
Protection may be required for spills.
- **Limitation and supervision of exposure into the environment:**  
No further relevant information available.
- **Risk management measures:** No further relevant information available.

## SECTION 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

#### · Appearance

- |                           |                                    |
|---------------------------|------------------------------------|
| · <b>Form:</b>            | Liquid                             |
| · <b>Colour:</b>          | According to product specification |
| · <b>Odour:</b>           | Citrus.                            |
| · <b>Odour threshold:</b> | Not determined.                    |

- |   |                 |
|---|-----------------|
| · <b>pH-value:</b>                                | 7,0-9,0         |
| · <b>Melting point/freezing point:</b>            | Not determined. |
| · <b>Initial boiling point and boiling range:</b> | Not determined. |

- |                       |                 |
|-----------------------|-----------------|
| · <b>Flash point:</b> | Not applicable. |
|-----------------------|-----------------|

- |                                     |                 |
|-------------------------------------|-----------------|
| · <b>Flammability (solid, gas):</b> | Not applicable. |
|-------------------------------------|-----------------|

- |  |                 |
|--|-----------------|
| · <b>Auto/Self-ignition temperature:</b> | Not determined. |
|--|-----------------|

- |                                     |                 |
|-------------------------------------|-----------------|
| · <b>Decomposition temperature:</b> | Not determined. |
|-------------------------------------|-----------------|

- |                                |   |
|--------------------------------|---|
| · <b>Explosive properties:</b> | Product does not present an explosion hazard. |
|--------------------------------|---|

#### · Explosion limits

- |                 |                 |
|-----------------|-----------------|
| · <b>Lower:</b> | Not determined. |
| · <b>Upper:</b> | Not determined. |

- |                               |                |
|-------------------------------|----------------|
| · <b>Oxidising properties</b> | Non-oxidising. |
|-------------------------------|----------------|

- |                           |                 |
|---------------------------|-----------------|
| · <b>Vapour pressure:</b> | Not determined. |
|---------------------------|-----------------|

#### · Density:

- |                            |                 |
|----------------------------|-----------------|
| · <b>Relative density:</b> | 1,02-1,05       |
| · <b>Vapour density:</b>   | Not determined. |
| · <b>Evaporation rate:</b> | Not determined. |

- |  |                 |
|--|-----------------|
| · <b>Solubility in / Miscibility with water:</b> | Fully miscible. |
|--|-----------------|

- |  |                 |
|--|-----------------|
| · <b>Partition coefficient: n-octanol/water:</b> | Not determined. |
|--|-----------------|

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- **Viscosity**
- Dynamic: Not determined.
- Kinematic: Not determined.
- **9.2 Other information** No further relevant information available.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Excessive heat.
- **10.5 Incompatible materials** No further relevant information available.
- **10.6 Hazardous decomposition products**  
Under fire conditions only:  
Carbon monoxide and carbon dioxide  
Sulphur oxides (SO<sub>x</sub>)

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**
- 5989-27-5 (R)-p-mentha-1,8-diene**
- Oral | LD50 | >2000 mg/kg (rat, female)
- **Primary irritant effect**
- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation:**  
May cause an allergic skin reaction.
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer):**
- None of the ingredients are listed.
- **Probable routes of exposure:**  
Ingestion.  
Inhalation.  
Eye contact.  
Skin contact.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.

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- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

#### 5989-27-5 (R)-p-mentha-1,8-diene

LC50 &lt;1 mg/l (pimephales promelas)

EC50 0,307 mg/l (daphnia)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation

Smaller quantities can be disposed of with household waste.

Small amounts may be diluted with plenty of water and washed away. Dispose of larger amounts in accordance with Local Authority requirements.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

### 14.1 UN-Number

· DOT, ADR/RID/ADN, IMDG, IATA	Not Regulated
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### 14.2 UN proper shipping name

· DOT, ADR/RID/ADN, IMDG, IATA	Not Regulated
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- |  |                 |
|--|-----------------|
| <b>· 14.3 Transport hazard class(es)</b>   |                 |
| <b>· DOT, ADR/RID/ADN, IMDG, IATA</b>  |                 |
| <b>· Class</b>   | Not Regulated   |
| <b>· 14.4 Packing group</b>  |                 |
| <b>· DOT, ADR/RID/ADN, IMDG, IATA</b>  | Not Regulated   |
| <b>· 14.5 Environmental hazards:</b>   |                 |
| <b>· Marine pollutant:</b>   | No              |
| <b>· 14.6 Special precautions for user</b>                                       | Not applicable. |
| <b>· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |

## SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- United States (USA)**
- SARA**

<b>· Section 302 (extremely hazardous substances):</b>
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None of the ingredients are listed.
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<b>· Section 355 (extremely hazardous substances):</b>
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None of the ingredients are listed.
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<b>· Section 313 (Specific toxic chemical listings):</b>
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None of the ingredients are listed.
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<b>· TSCA (Toxic Substances Control Act):</b>
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All ingredients are listed.
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<b>· Proposition 65 (California):</b>
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<b>· Chemicals known to cause cancer:</b>
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None of the ingredients are listed.
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<b>· Chemicals known to cause developmental toxicity for females:</b>
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None of the ingredients are listed.
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<b>· Chemicals known to cause developmental toxicity for males:</b>
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None of the ingredients are listed.
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<b>· Chemicals known to cause developmental toxicity:</b>
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None of the ingredients are listed.
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<b>· EPA (Environmental Protection Agency)</b>
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None of the ingredients are listed.
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<b>· IARC (International Agency for Research on Cancer)</b>
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None of the ingredients are listed.

- **Canadian Domestic Substances List (DSL) (Substances not listed)**

All ingredients are listed or exempt.

- **Other regulations, limitations and prohibitive regulations**

- **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients are listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

- **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bio-accumulable, Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

- **Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

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Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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