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# Safety Data Sheet

according to HPR, Schedule 1

## 1 Identification

- **Product name:** Service Lab Concentrated pot and pan detergent
- **Article number:** 2218278101, 2218334100
- **Recommended use:** Hand dish washing agent
- **Restrictions on use:** All other uses than those indicated on the product label and technical data sheet
- **Manufacturer:**  
SERVICELAB Cleaning Systems Inc.  
5430, Royalmount St.,  
Montréal, QC  
H4P 1H7  
Tel: 514-235-4496  
Fax: 1-866-336-0181  
info@servicelabcanada.com
- **Emergency telephone number:** CANUTEC 1-613-996-6666

## 2 Hazard identification

- **Classification of the product as sold:**  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
- **Hazard pictograms:**



GHS07

- **Signal word:** Warning
- **Hazard statements:**  
Causes skin irritation.  
Causes serious eye irritation.
- **Precautionary statements:**  
Wear protective gloves/protective clothing/eye protection/face protection.  
Wash thoroughly after handling.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
IF ON SKIN: Wash with plenty of water.  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.

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- **Classification system**
- **NFPA ratings (scale 0 - 4):**



Health = 1  
Fire = 0  
Reactivity = 0

- **Hazard not otherwise classified:** None Known
- **Notes:** For the wording of the listed abbreviations refer to section 16.

- 
- **Product AT USE DILUTION:** N/A

### 3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Aqueous mixture consisting of the following components:

· **Components:**

|            |                                                                       |          |
|------------|-----------------------------------------------------------------------|----------|
| 9004-82-4  | Sodium lauryl ether sulfate                                           | 3-7%     |
| 27176-87-0 | dodecylbenzenesulphonic acid                                          | 1-5%     |
| 68584-22-5 | Benzenesulfonic Acid                                                  | 1-5%     |
| 68439-57-6 | Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | 0.5-1.5% |
| 70851-07-9 | Cocoamidopropyl betaine                                               | 0.5-1.5% |
| 7647-14-5  | Sodium Chloride                                                       | 0.5-1.5% |
| 1310-73-2  | Sodium Hydroxide                                                      | 0.1-1.0% |

- **Additional information:** Any concentration shown as a range is to protect confidentiality or is due to batch variation.

### 4 First aid measures

- **Description of first aid measures**
- **After inhalation:**  
In case of unconsciousness place patient stably in side position for transportation. Get medical attention.
- **After skin contact:**  
Remove immediately all contaminated clothing. Rinse skin with water or shower for at least 15 minutes. Consult a doctor if skin redness and irritation persist.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After ingestion:** If symptoms persist consult a doctor.
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

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- **Product AT USE DILUTION:**
- **After inhalation:** No specific first aid measures are required

### 5 Firefighting measures

- **Suitable extinguishing media:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.  
Use fire fighting measures that suit the environment.
- **Specific hazards arising from the product:** No further relevant information available.
- **Special protective equipment and precautions for fire-fighters:**  
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
- **Additional information:** This product is not flammable.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**  
Wear recommended protective equipment(s). Keep unprotected persons away.  
Protective gloves (See Protection of Hands)
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**  
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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.

### 7 Handling and storage

- **Precautions for safe handling:** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Requirements to be met by storerooms and receptacles:** Unsuitable material for receptacle: aluminium.
- **Information about storage in one common storage facility:** Not required.
- **Conditions for safe storage, including any incompatibilities:**  
Keep in the original receptacle tightly sealed.  
Do not store in aluminium or galvanised containers nor use die-cast zinc or aluminium bungs;  
plastic bungs should be used.
- **Specific end use(s):** No further relevant information available.

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### 8 Exposure controls/ Personal protection

· **Components with limit values that require monitoring at the workplace:**

**1310-73-2 Sodium Hydroxide**

EL Ceiling limit value: 2 mg/m<sup>3</sup>

EV Ceiling limit value: 2 mg/m<sup>3</sup>

· **Undiluted Product**

· **Personal protective equipment:**



Safety glasses (See Eye protection)



Protective gloves (see Protection of hands)

· **General protective and hygienic measures:**

Avoid contact with the eyes and skin.

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

· **Breathing equipment:** Not required.

· **Protection of hands:**

No personal protective equipment required under normal use conditions.

Protective gloves are recommended when handling concentrated product.

Check protective gloves prior to each use for their proper condition

· **Eye protection:**

Protective glasses are recommended when handling concentrated product.

Safety glasses are suggested when using this product in heavy use and institutional environments

· **Body protection:** No special measures required.

· **Product AT USE DILUTION:**

· **Personal Protective Equipment:**

· **Protection of hands:** No personal protective equipment required under normal use conditions.

· **Eye protection:** No personal protective equipment required under normal use conditions.

### 9 Physical and chemical properties

· **Form:**

Liquid

· **Colour:**

Yellow

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|                                            |                                               |
|--------------------------------------------|-----------------------------------------------|
| · Odour:                                   | Odourless                                     |
| · Odor threshold:                          | Not determined                                |
| · pH-Value:                                | 6.5-8.5                                       |
| · Melting point/Melting range:             | Not determined                                |
| · Boiling point/Boiling range:             | N/D                                           |
| · Fusion temperature / range:              | Not determined                                |
| · Flash point:                             | Not determined                                |
| · Flammability (solid, gaseous):           | Not applicable                                |
| · Ignition temperature:                    | N/D                                           |
| · Decomposition temperature:               | Not determined                                |
| · Auto igniting:                           | Product is not selfigniting.                  |
| · Danger of explosion:                     | Product does not present an explosion hazard. |
| · Explosion limits:                        |                                               |
| Lower:                                     | Not determined.                               |
| Upper:                                     | Not determined.                               |
| · Vapour pressure:                         | N/D                                           |
| · Relative density:                        | 1,020-1,040                                   |
| · Vapour density (air=1):                  | <1 (aqueous solution)                         |
| · Evaporation rate:                        | Not determined                                |
| · Solubility in / Miscibility with         |                                               |
| Water:                                     | Not miscible or difficult to mix.             |
| · Partition coefficient (n-octanol/water): | Not determined                                |
| · Solvent content:                         |                                               |
| VOC content:                               | 0.0 g/l / 0.00 lb/gl                          |

### 10 Stability and reactivity

- **Reactivity:** Not determined.
- **Chemical stability:** The product is stable.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Avoid freezing and extreme heat conditions.

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· **Incompatible materials:**

In contact with most metals, produces hydrogen gas, a flammable and explosive gas. It is particularly corrosive to aluminium, tin, lead, and zinc.

· **Hazardous decomposition products:**

Hydrogen.

In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

## 11 Toxicological information

· **Information on the likely routes of exposure**

· **Numerical measures of acute toxicity:**

| Components                                                                              | Type                | Value (Species)      |
|-----------------------------------------------------------------------------------------|---------------------|----------------------|
| <b>Mean of exposure</b>                                                                 |                     |                      |
| <b>ATE (Acute Toxicity Estimates)</b>                                                   |                     |                      |
| Oral                                                                                    | LD50                | 12923 mg/kg (Rat)    |
| Dermal                                                                                  | LD50                | 18445 mg/kg          |
| <b>9004-82-4 Sodium lauryl ether sulfate</b>                                            |                     |                      |
| Oral                                                                                    | LD50                | 4100 mg/kg (Rat)     |
| Dermal                                                                                  | LD50                | >2000 mg/kg (Rat)    |
| Irritation of skin                                                                      | OECD guideline 404  | cat. 2 (Rabbit)      |
| Irritation of eyes                                                                      | OECD, guideline 405 | cat. 2A (Rabbit)     |
| <b>27176-87-0 dodecylbenzenesulphonic acid</b>                                          |                     |                      |
| Oral                                                                                    | LD50                | 1150 mg/kg (Rat)     |
| Dermal                                                                                  | LD50                | >2000 mg/kg (Rat)    |
| <b>68584-22-5 Benzenesulfonic Acid</b>                                                  |                     |                      |
| Oral                                                                                    | LD50                | 500 mg/kg (Rat)      |
| Dermal                                                                                  | LD50                | >2000 mg/kg (Rabbit) |
| <b>68439-57-6 Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts</b> |                     |                      |
| Oral                                                                                    | LC50                | >2000 mg/L (Rat)     |
| <b>70851-07-9 Cocoamidopropyl betaine</b>                                               |                     |                      |
| Oral                                                                                    | LD50                | ≥ 4900 mg/kg (Rat)   |
| Dermal                                                                                  | LD50                | > 2000 mg/kg (Rat)   |
| <b>7647-14-5 Sodium Chloride</b>                                                        |                     |                      |
| Oral                                                                                    | LD50                | 3550 mg/kg (Rat)     |
| <b>1310-73-2 Sodium Hydroxide</b>                                                       |                     |                      |
| Oral                                                                                    | LD50                | 240 mg/kg (Rat)      |

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| 68131-39-5 Alcohols (C12-15) Ethoxylated |                     |                              |
|------------------------------------------|---------------------|------------------------------|
| Oral                                     | LD50                | >5000 mg/kg (Rat)            |
| Dermal                                   | LD50                | >2000 mg/kg (Rat)            |
| Irritation of skin                       | OECD guideline 404  | Not classified. (Rabbit)     |
| Irritation of eyes                       | OECD, guideline 405 | cat. 1 (Rabbit)              |
| Sensitization                            | OECD, guideline 406 | Not classified. (guinea pig) |

• **Symptomes related to the physical, chemical and toxiological characteristics**

• **If on the skin:** Irritant to skin and mucous membranes.

• **If on the eye:** Irritating effect.

• **After ingestion:** May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.

• **Sensitization:** No sensitizing effects known.

• **Delayed and immediate effects, and chronic effects from short-term and long-term exposure:**

Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.

• **Carcinogenic categories:**

• **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

• **NTP (National Toxicology Program)**

None of the ingredients is listed.

## 12 Ecological information

• **Persistence and degradability:**

The surfactants and organic compounds contained in this product are readily biodegradable according to the OECD 301 guideline.

• **Bioaccumulative potential:** Does not accumulate in organisms.

• **Mobility in soil:** Not determined

• **Ecotoxicity:** No relevant information available.

• **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

• **Waste treatment methods recommendation:**

Do not allow product to reach sewage system unless significantly diluted or neutralized.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with local authority requirements.

Dispose in accordance with all applicable federal, state, provincial and local laws and regulations. Contact your local, state, provincial or Federal environmental agency for specific rules.

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· **Uncleaned packagings recommendation:**

Do not re-use empty containers.

Dispose of packaging according to regulations on the disposal of packagings.

· **Recommended cleansing agent:**

Water

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

### 14 Transport information

· **UN-Number**

· **DOT, IMDG, IATA** Not regulated.

· **UN proper shipping name**

· **DOT, IMDG, IATA** Not regulated.

· **Transport hazard class(es)**

· **DOT, IMDG, IATA**

· **Class** Not regulated.

· **Packing group**

· **DOT, IMDG, IATA** Not regulated.

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Canadian substance listings**

· **Canadian Domestic Substances List (DSL)** Not all the ingredients are listed

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

27176-87-0 | dodecylbenzenesulphonic acid

### 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. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

· **Department issuing SDS:**

Prepared by :

Regulatory Affairs Department

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**· Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

NFPA: National Fire Protection Association (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent