

## SAFETY DATA SHEET

# LV huuhteluaine

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

|               |            |
|---------------|------------|
| Date issued   | 14.04.2014 |
| Revision date | 13.02.2019 |

#### 1.1. Product identifier

|                    |                              |
|--------------------|------------------------------|
| Product name       | LV huuhteluaine              |
| Article no.        | 32. 21772, 15784424          |
| GTIN No.           | 6414504115520, 6414505084795 |
| Product definition | Fabric softener              |

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

|  |                 |
|--|-----------------|
| Use of the substance / preparation             | Fabric softener |
| The chemical can be used by the general public | Yes             |

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

|                  |  |
|------------------|--|
| Company name     | Berner Ltd/Pro                                   |
| Office address   | Hitsaajankatu 24                                 |
| Postal address   | P.O.Box 22                                       |
| Postcode         | 00811  |
| City             | Helsinki   |
| Country          | Finland  |
| Telephone number | +3582079100                                      |
| Email            | <a href="mailto:pro@berner.fi">pro@berner.fi</a> |

#### 1.4. Emergency telephone number

|                     |   |
|---------------------|---|
| Emergency telephone | Telephone number: Finland:<br>Description: HYKS Myrkytystietokeskus puh. (09) 4711klo. 8.00 – 22.00 suora<br>(09) 471 977 |
|---------------------|---|

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Additional information on classification

Not classified as a hazardous chemical.

### 2.2. Label elements

### 2.3. Other hazards

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

| Substance         | Identification   | Classification  | Contents | Notes |
|-------------------|--|---|----------|-------|
| isopropanol       | CAS No.: 67-63-0<br>EC No.: 200-661-7<br>Index No.: 603-117-00-0<br>REACH Reg. No.:<br>01-2119457558-25-xxxx | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319<br>STOT SE 3; H336 | 0 – 1 %  |       |
| 2-Phenoksiethanol | CAS No.: 122-99-6<br>EC No.: 204-589-7<br>Index No.: 603-098-00-9<br>REACH Reg. No.:<br>01-2119488943-xx     | Acute Tox. 4; H302<br>Eye Irrit. 2; H319                    | 0 -1 %   |       |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|              |   |
|--------------|---|
| General      | –   |
| Inhalation   | Fresh air.  |
| Skin contact | Remove contaminated clothing, wash off with soap and water.   |
| Eye contact  | Flush eye(s) immediately with plenty of water. If symptoms persist, call a physician.   |
| Ingestion    | Rinse mouth with water. Provide rest, warmth and fresh air. Do not induce vomiting without medical advice. If conscious, drink plenty of water. |

### 4.2. Most important symptoms and effects, both acute and delayed

### 4.3. Indication of any immediate medical attention and special treatment needed

|                   |                        |
|-------------------|------------------------|
| Medical treatment | Treat symptomatically. |
|-------------------|------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                              |   |
|------------------------------|---|
| Suitable extinguishing media | Use foam, CO <sub>2</sub> , powder or waterspray. |
|------------------------------|---|

### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon dioxide (CO<sub>2</sub>) Carbon monoxide (CO). Nitrous gases (NO<sub>x</sub>). Sulphurous gases (SO<sub>x</sub>).

### 5.3. Advice for firefighters

Personal protective equipment

Self-contained breathing apparatus

## SECTION 6: Accidental release measures

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

General measures

-

### 6.2. Environmental precautions

Environmental precautionary measures

Do not flush into surface water or sanitary sewer system.

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

Clean up

Small quantities may be flushed to drains with plenty of water. Large amounts Absorb spillage with non-combustible, absorbent material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

### 6.4. Reference to other sections

Other instructions

For suitable protective equipment, see section 8.  
Dispose of waste, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling

No special precautions required. Do not freeze.

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

Storage

Perishable if frozen. Store in original container.

### 7.3. Specific end use(s)

Specific use(s)

-

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

| Substance   | Identification   | Exposure limits  | TWA Year |
|-------------|------------------|--|----------|
| isopropanol | CAS No.: 67-63-0 | Limit value (8 h) : 200 ppm<br>Limit value (8 h) : 500 mg/m <sup>3</sup><br><b>Limit value (short term)</b><br>Value: 250 ppm<br><b>Limit value (short term)</b><br>Value: 620 mg/m <sup>3</sup> |          |

|                             |                                   |
|-----------------------------|-----------------------------------|
| Control parameters comments | Avoid contact with skin and eyes. |
|-----------------------------|-----------------------------------|

## 8.2. Exposure controls

### Precautionary measures to prevent exposure

|  |   |
|--|---|
| Product related measures to prevent exposure | – |
|--|---|

### Eye / face protection

|                     |   |
|---------------------|---|
| Required Properties | If splashes are likely to occur, wear: Safety goggles |
|---------------------|---|

### Hand protection

|   |                                    |
|---|------------------------------------|
| Skin- / hand protection, short term contact | Protective gloves are recommended. |
|---|------------------------------------|

## SECTION 9: Physical and chemical properties

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

|   |  |
|---|--|
| Physical state                                  | liquid   |
| Colour  | white  |
| Odour   | characteristic   |
| pH  | Status: In delivery state<br>Value: 3,1<br><br>Status: In aqueous solution<br>Value: 6,5 |
| Boiling point / boiling range                   | Comments: n. 100°C   |
| Flash point                                     | Comments: -  |
| Lower explosion limit with unit of measurement  | Comments: -  |
| Upper explosion limit with units of measurement | Comments: -  |
| Vapour pressure                                 | Comments: -  |
| Relative density                                | Comments: 1002 g/dm³   |
| Solubility description                          | dispersible  |
| Solubility                                      | Medium: Water<br>Comments: -   |
| Partition coefficient: n-octanol/ water         | Comments: -  |

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|            |                                 |
|------------|---------------------------------|
| Reactivity | Stable under normal conditions. |
|------------|---------------------------------|

## 10.2. Chemical stability

|           |  |
|-----------|--|
| Stability | Stable at normal ambient temperature and pressure. |
|-----------|--|

## 10.3. Possibility of hazardous reactions

|                                    |   |
|------------------------------------|---|
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
|------------------------------------|---|

## 10.4. Conditions to avoid

|                     |   |
|---------------------|---|
| Conditions to avoid | Stable under normal conditions. Keep away from open flames, hot surfaces and sources of ignition. |
|---------------------|---|

## 10.5. Incompatible materials

|                    |           |
|--------------------|-----------|
| Materials to avoid | No known. |
|--------------------|-----------|

## 10.6. Hazardous decomposition products

|                                  |           |
|----------------------------------|-----------|
| Hazardous decomposition products | No known. |
|----------------------------------|-----------|

# SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

### Other information regarding health hazards

|  |   |
|--|---|
| General                                      | LD50/oral/rat = >5000 mg/kg low acute toxicity (according to data from raw materials) |
| Assessment of acute toxicity, classification | -   |
| General respiratory or skin sensitisation    | -   |
| Skin contact                                 | Prolonged or repeated contact may dry the skin and cause irritation.                  |
| Eye contact                                  | May cause eye irritation.   |
| Ingestion                                    | May cause irritation to mucous membranes.   |

# SECTION 12: Ecological information

## 12.1. Toxicity

|                        |  |
|------------------------|--|
| Aquatic toxicity, fish | Toxicity type: Acute<br>Value: > 1 mg/l<br>Effect dose concentration : LC50<br>Exposure time: 96 hour(s)<br>Comments: Isopropanol<br><br>Toxicity type: Acute<br>Value: > 100 mg/l |
|------------------------|--|

Ecotoxicity

Effect dose concentration : LC50  
Exposure time: 96 hour(s)  
Species: Pimephales promelas (rasvapäämutu)  
Comments: Phenoxyethanol

Not known.

## 12.2. Persistence and degradability

Persistence and degradability,  
comments

Contains no substances known to be hazardous to the environment or not  
degradable in waste water treatment plants.

## 12.3. Bioaccumulative potential

Bioaccumulative potential

No known.

## 12.4. Mobility in soil

Mobility

No known.

## 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB  
assessment

This mixture contains no substance considered to be persistent, bioaccumulating  
nor toxic (PBT). This mixture contains no substance considered to be very  
persistent nor very bioaccumulating (vPvB).

## 12.6. Other adverse effects

# SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Specify the appropriate methods  
of disposal

In accordance with local and national regulations.

# SECTION 14: Transport information

Dangerous goods

No

## 14.1. UN number

## 14.2. UN proper shipping name

## 14.3. Transport hazard class(es)

## 14.4. Packing group

## 14.5. Environmental hazards

## 14.6. Special precautions for user

## 14.7. Maritime transport in bulk according to IMO instruments

Pollution category

Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

### 15.2. Chemical safety assessment

## SECTION 16: Other information

|  |  |
|--|--|
| List of relevant H-phrases (Section 2 and 3)   | H225 Highly flammable liquid and vapour.<br>H302 Harmful if swallowed.<br>H319 Causes serious eye irritation.<br>H336 May cause drowsiness or dizziness.   |
| Training advice                                | -  |
| Recommended restrictions on use                | -  |
| Additional information                         | Manufacturer and the label of the product.   |
| Key literature references and sources for data | The information provided in this 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. |
| Version  | 1  |