

SAFETY DATA SHEET

LV Color pyykinpesuneste

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 | 06.07.2018 |
| Revision date | 06.07.2018 |

1.1. Product identifier

| | |
|--------------------|---|
| Product name | LV Color pyykinpesuneste |
| Article no. | 12. 15776348, 15776349, 15776350 |
| GTIN No. | 6414505015171, 6414505015270, 6414505015317 |
| Product definition | Liquid laundry detergent |

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

| | |
|--|--------------------------|
| Use of the substance / preparation | Liquid laundry detergent |
| 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 |
| Office address | Hitsaajankatu 24 |
| Postal address | P.O.Box 22 |
| Postcode | 00811 |
| City | Helsinki |
| Country | Finland |
| Telephone number | +3582079100 |
| Email | info@berner.fi |

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to
Regulation (EC) No 1272/2008
[CLP / GHS]

Eye Irrit. 2; H319

Substance / mixture hazardous
properties

Causes serious eye irritation.

2.2. Label elements

Hazard pictograms (CLP)



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice / attention.

2.3. Other hazards

SECTION 3: Composition / information on ingredients

3.2. Mixtures

| Substance | Identification | Classification | Contents | Notes |
|------------------------------|---|---|------------|-------|
| Alcohols, C12-18, ethoxylate | CAS No.: 68213-23-0 | Eye Dam. 1; H318 Acute tox. 4; H302 Aquatic Chronic 3; H412 | 7 -10 % | |
| Sodium lauryl Ether sulphate | CAS No.: 68891-38-3 EC No.: 500-234-8 REACH Reg. No.: 01-2119488639-xx | Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Chronic 3;H412 | 5 -10 % | |
| 2-Phenoksiethanol | CAS No.: 122-99-6 EC No.: 204-589-7 Index No.: 603-098-00-9 REACH Reg. No.: 01-2119488943-xx | Acute Tox. 4;H302 Eye Irrit. 2;H319 | 0,5 -1,0 % | |
| Description of the mixture | Contains: 5-15% Nonionic surfactants, Anionic surfactants <5% soap, phosphonates, enzymes, Phenoxyethanol | | | |

SECTION 4: First aid measures

4.1. Description of first aid measures

General

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If symptoms persist, call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

| | |
|--------------|---|
| Inhalation | Move into fresh air. |
| Skin contact | Remove contaminated clothing, wash off with soap and water. Do NOT use solvents or thinners. |
| Eye contact | Remove contact lenses Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician. |
| Ingestion | Rinse mouth with water. Drink plenty of water. Do not induce vomiting. If you feel unwell, seek medical advice (show the label where possible). |

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

| | |
|------------------------------|--|
| General symptoms and effects | No hazards which require special first aid measures. |
|------------------------------|--|

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

| | |
|-------------------|--|
| Medical treatment | Show this safety data sheet to the doctor in attendance. tai etiketti Treat symptomatically. |
|-------------------|--|

SECTION 5: Firefighting measures

5.1. Extinguishing media

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|------------------------------|--|
| Suitable extinguishing media | Carbon dioxide, powder, foam or water fog. |
| Improper extinguishing media | Do not use a solid water stream as it may scatter and spread fire. |

5.2. Special hazards arising from the substance or mixture

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|----------------------------|---|
| Fire and explosion hazards | Hazardous decomposition products formed under fire conditions. Carbon dioxide (CO ₂) some metal oxides Fire forms thick black smoke. Exposure to decomposition products may be a hazard to health. In the event of fire, cool tanks with water spray. Do not allow run-off from fire fighting to enter drains or water courses. |
|----------------------------|---|

5.3. Advice for firefighters

| | |
|-------------------------------|---|
| Personal protective equipment | In the event of fire, wear a self contained breathing apparatus and a protective suit |
| Fire fighting procedures | The product itself does not burn. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|--------------------------------------|
| General measures | Sweep up to prevent slipping hazard. |
|------------------|--------------------------------------|

6.2. Environmental precautions

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|--------------------------------------|--|
| Environmental precautionary measures | Do not allow contact with soil, surface or ground water. |
|--------------------------------------|--|

6.3. Methods and material for containment and cleaning up

| | |
|-----------------|--|
| Cleaning method | Large Spillages: Absorb with inert, damp, non-combustible material, then flush |
|-----------------|--|

area with water. Small quantities may be flushed to drains with plenty of water.
Clean with detergents. Avoid solvents.

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

For personal protection see section 8.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Store in original container. Keep at temperatures between 5 and 25 °C. Keep away from food, drink and animal feeding stuffs.

Conditions to avoid

Keep away from direct sunlight.

7.3. Specific end use(s)

Specific use(s)

—

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

Precautionary measures to prevent exposure

Product related measures to prevent exposure

No special precautions.

Eye / face protection

Eye protection

If splashes are likely to occur, wear: goggles

Hand protection

Required properties for hand protection

No special protective equipment required. Rubber or plastic gloves Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

Skin protection

Skin protection (except hands)

No special precautions.

Respiratory protection

Respiratory protection, general

No special protective equipment required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---|
| Physical state | liquid |
| Colour | clear colourless |
| Odour | mild |
| pH | Status: In delivery state Value: 9,0 -10,0 |
| Melting point / melting range | Comments: Not determined. |
| Flash point | Comments: Not determined. |
| Explosion limit | Comments: No data recorded. |
| Density | Value: 1,02 g/m3 |
| Solubility description | miscible |
| Solubility in water | Liukenee |
| Partition coefficient: n-octanol/ water | Comments: Inconclusive data. |

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|------------|--|
| Reactivity | Stable at normal ambient temperature and pressure. |
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10.2. Chemical stability

| | |
|-----------|---------------------------------|
| Stability | Stable under normal conditions. |
|-----------|---------------------------------|

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

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|---------------------|-----------------------------------|
| Conditions to avoid | Exposure to sunlight. Avoid heat. |
|---------------------|-----------------------------------|

10.5. Incompatible materials

| | |
|--------------------|--|
| Materials to avoid | Strong acids and strong bases strong oxidizing agents Strong reducing agents |
|--------------------|--|

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

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|------------|--|
| General | <p>Phenoxyethanol: LD50/dermal/rabbit = >5000mg/kg</p> <p>LD50/oral/rat = 1260 mg/kg Alkyletherisulphate: LD50/dermal/rat = > 2000 mg/kg LD50/oral/rat = > 2000 mg/kg</p> |
| Irritation | Causes serious eye irritation. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin. |

SECTION 12: Ecological information

12.1. Toxicity

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|-------------|---|
| Ecotoxicity | <p>2- Phenoxyethanol: Daphnia: EC50 (96h): 357 mg/l Alkyletherisulphate C12-14: Daphnia: EC50 (48h): > 1-10 mg/l Fish: LC50 (96h): > 1-10 mg/l Algae: EC50 (72h): 10-100mg/kg Daphnia: NOEC, 21d, 0,1-1 mg/l Fish: NOEC, 1,2mg/l Laureth-7: Fish: LC50 = 1-10mg/l Daphnia: EC50 = 1-10 mg/l Algae: EC50 = 1-10 mg/l</p> |
|-------------|---|

12.2. Persistence and degradability

12.3. Bioaccumulative potential

| | |
|---------------------------|--|
| Bioaccumulative potential | Surfactants are readily biodegradable (OECD-tests) |
|---------------------------|--|

12.4. Mobility in soil

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|----------|----------------------------------|
| Mobility | Mobile liquid. Soluble in water. |
|----------|----------------------------------|

12.5. Results of PBT and vPvB assessment

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|------------------------|---|
| PBT assessment results | 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

| | |
|---------------------------------|---|
| Other adverse effects, comments | - |
|---------------------------------|---|

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal Dispose of in accordance with local 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

Legislation and regulations Detergents Regulation EC 907/2006

15.2. Chemical safety assessment

Chemical safety assessment -

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3) H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes Serious eye damage.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

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.

Version 1