

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

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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 Eye Irrit. 2; H319
 Regulation (EC) No 1272/2008
 [CLP / GHS]

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-Phenoxethanol	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.
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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.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

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

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.
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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.
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6.2. Environmental precautions

Environmental precautionary measures	Do not allow contact with soil, surface or ground water.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Large Spillages: Absorb with inert, damp, non-combustible material, then flush
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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.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	For personal protection see section 8.
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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)	—
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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.
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Eye / face protection

Eye protection	If splashes are likely to occur, wear: goggles
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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).
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Skin protection

Skin protection (except hands)	No special precautions.
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Respiratory protection

Respiratory protection, general	No special protective equipment required.
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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.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
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10.4. Conditions to avoid

Conditions to avoid	Exposure to sunlight. Avoid heat.
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10.5. Incompatible materials

Materials to avoid	Strong acids and strong bases strong oxidizing agents Strong reducing agents
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10.6. Hazardous decomposition products

Hazardous decomposition products	No known.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other information regarding health hazards

General

Phenoxyethanol:
LD50/dermal/rabbit = >5000mg/kg

LD50/oral/rat = 1260 mg/kg
Alkyletherisulphate: LD50/dermal/rat = > 2000 mg/kg
LD50/oral/rat = > 2000 mg/kg

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

Ecotoxicity

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

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Bioaccumulative potential

Surfactants are readily biodegradable (OECD-tests)

12.4. Mobility in soil

Mobility

Mobile liquid. Soluble in water.

12.5. Results of PBT and vPvB assessment

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

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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