SAFETY DATA SHEET

Liniment Red

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

1.1. Product identifier
Trade name
Liniment Red
1.2. Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses of the substance or mixture
None known.
Uses advised against
None known.
1.3. Details of the supplier of the safety data sheet
Company details
Willab AB
Hålarpsvägen 15
26962 Båstad
Sweden
Revision
2023-06-20
SDS Version
4.0
1.4. Emergency telephone number
Emergency: Call 112 and ask for poison information. Open 24 hours a day.
Less urgent: Call 010-456 6700. Open 24 hours a day.
See Section 4 for first-aid measures.

SECTION 2: Hazards identification

Classified according to Regulation (EC) No 1272/2008 (CLP).
2.1. Classification of the substance or mixture
-
2.2. Label elements
Hazard pictogram
Not applicable.
Signal word
Not applicable.
Hazard statements
Not applicable.
Precautionary statements
General
-
Prevention
-
Response
-
Storage
-
Disposal
-
Contains
None known.

Other labelling
EUH208, Contains eucalyptus oil. May produce an allergic reaction.

2.3. Other hazards

Other
This mixture/product contains no substances considered to meet the criteria for classification as PBT and/or vPvB substances.
The product contains no substances assessed as endocrine disruptors according to the criteria in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/Substance	Identifiers	% w/w	Classification	Notes
Isopropyl alcohol	CAS No.: 67-63-0 EC No.: 200-661-7 REACH: 01-2119457558-25-xxxx Index No.:	5-10%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
Camphor	CAS No.: 76-22-2 EC No.: REACH: Index No.:	1 - 5 %	Flam. Sol. 2, H228 Acute Tox. 4, H302 Acute Tox. 4, H332 STOT SE H371	
Eucalyptus oil	CAS No.: 8000-48-4 EC No.: 616-775-9 REACH: Index No.:	<1%	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411	[19]
Arnica flower	CAS No.: EC No.: REACH: Index No.:	<0.1%		
Cyclohexane	CAS No.: 110-82-7 EC No.: 203-806-2 REACH: 01-2119463273-41-XXXX Index No.: 601-017-00-1	<0.0015%	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1], [3]

The full wording of the H-statements is given in Section 16. Occupational exposure limit values are given in Section 8, where available.
Other information
[1] European occupational exposure limit value.
[3] According to REACH Annex XVII, the substance is subject to restrictions.
[19] UVCB = Substances of Unknown or Variable composition, Complex reaction products or Biological materials.

SECTION 4: First aid measures

4.1. Description of first aid measures

General

In case of accident: Contact a doctor or emergency department - bring the label or this safety data sheet.
If symptoms persist or if there is any doubt about the affected person's condition, seek medical attention. Never give an unconscious person water or similar.

Inhalation

In case of breathing difficulties or respiratory irritation: Move the affected person immediately to fresh air and keep under observation.

Skin contact

IF ON SKIN: Wash with plenty of water and soap.
Remove contaminated clothing and shoes. Wash skin that has been in contact with the material thoroughly with soap and water. Do NOT use organic solvents.
If skin irritation occurs: Get medical advice.

Eye contact

In case of eye contact: Rinse immediately with water (20-30 °C) for at least 5 minutes. Remove any contact lenses. Seek medical attention.

Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of nausea: Contact a doctor immediately and bring this safety data sheet or the product label. Do not induce vomiting unless recommended by a doctor. Lower the head so that any vomit does not flow back into the mouth and throat.

Burns

Not applicable.

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

Hypersensitivity reactions: The product contains substances that may trigger an allergic reaction on skin contact. The allergic reaction typically occurs 12-72 hours after exposure to the allergen and occurs when the allergen penetrates the skin and reacts with proteins in the outermost skin layer. The body's immune system perceives the chemically altered protein as a foreign body and attempts to break it down.

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

None known.

Information to physician

Bring this safety data sheet or the product label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Water jet should not be used as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Dense smoke is produced in a fire. Exposure to decomposition products may constitute a health hazard. Closed containers exposed to fire should be cooled with water. Do not allow fire-fighting water to enter drains or waterways.
If the product is exposed to high temperatures, e.g. in the event of fire, hazardous decomposition products may form. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters

Firefighters should use appropriate protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No special requirements.

6.2. Environmental precautions

Avoid release into lakes, streams, sewers, etc.

6.3. Methods and material for containment and cleaning up

Spillage should be contained and collected with non-combustible absorbent material, e.g. sand, earth, vermiculite or diatomaceous earth, placed in containers and disposed of in accordance with applicable regulations.
Cleaning should be carried out as far as possible with cleaning agents. Solvents should be avoided.

6.4. Reference to other sections

See Section 13 "Disposal considerations".
See Section 8 "Exposure controls/personal protection" regarding personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, eating and drinking are not permitted in work areas.
See Section 8 regarding personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and protect from moisture and sunlight. Containers must be dated when opened and tested regularly for the presence of peroxides. Do not exceed storage time limits.
Opened containers must be resealed carefully and stored upright to prevent leakage.

Compatible packaging

Always store in containers made of the same material as the original container.

Storage temperature

No special requirements.

Incompatible materials

Strong acids, strong bases, strong oxidising agents and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for the uses described in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Isopropyl alcohol

Short-term exposure limit (15 minutes) (ppm): 250
Short-term exposure limit (15 minutes) (mg/m³): 600
8-hour limit value (ppm): 150
8-hour limit value (mg/m³): 350
Notes:
V = Indicative short-term exposure limit.

Triethanolamine

Short-term exposure limit (15 minutes) (ppm): 1.6
Short-term exposure limit (15 minutes) (mg/m³): 10
8-hour limit value (ppm): 0.8
8-hour limit value (mg/m³): 5
Notes:
H = The substance can readily be absorbed through the skin.
V = Indicative short-term exposure limit.
Swedish Work Environment Authority regulations and general advice on occupational exposure limits (AFS 2018:1) and later amendments AFS 2020:6 and AFS 2021:3.

DNEL

No data available.

PNEC

No data available.

8.2. Exposure controls

Compliance with occupational exposure limits should be checked regularly.

General
Smoking, eating and drinking are not permitted in work areas.
Exposure scenarios
No exposure scenarios have been implemented for this product.
Exposure limit
Professional users are subject to occupational health and safety legislation on maximum concentrations during exposure. See the occupational exposure limits above.
Engineering controls
Vapour formation must be kept to a minimum and below current limit values (see above). Installation of local exhaust ventilation is recommended if normal airflow in the workroom is insufficient. Ensure that eyewash and emergency shower facilities are clearly marked. Apply standard precautions when using the product. Avoid inhalation of vapours.
Hygiene measures
At every break during use of the product and at the end of work, exposed areas of the body must be washed. Always wash hands, forearms and face.
Environmental exposure controls
No special requirements.
Individual protection measures
General
Use only CE-marked protective equipment.
Respiratory protection
No special requirements.
Skin protection
No special requirements.
Hand protection
No special requirements during normal and intended use.
Eye protection
No special requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Gel
Colour
Red
Odour / odour threshold (ppm)
Eucalyptus / Camphor
pH
Testing is not relevant or possible for this type of product.
Density (g/cm³)
Testing is not relevant or possible for this type of product.
Kinematic viscosity
Testing is not relevant or possible for this type of product.
Particle characteristics
Not applicable to liquids.
Phase changes
Melting point/freezing point (°C)
Testing is not relevant or possible for this type of product.
Softening point/range (waxes and pastes) (°C)
Not applicable to liquids.
Boiling point (°C)
Testing is not relevant or possible for this type of product.
Vapour pressure
Testing is not relevant or possible for this type of product.
Vapour density
Testing is not relevant or possible for this type of product.
Decomposition temperature (°C)
Testing is not relevant or possible for this type of product.
Fire and explosion hazard data
Flash point (°C)
Testing is not relevant or possible for this type of product.
Flammability (°C)
Testing is not relevant or possible for this type of product.
Auto-ignition temperature (°C)
Testing is not relevant or possible for this type of product.
Explosion limits (% v/v)
Testing is not relevant or possible for this type of product.

Solubility
Solubility in water
Testing is not relevant or possible for this type of product.
n-octanol/water coefficient
Testing is not relevant or possible for this type of product.
Solubility in fat (g/L)
Testing is not relevant or possible for this type of product.

9.2. Other information

Other physical and chemical parameters
No data available.
Oxidising properties
Testing is not relevant or possible for this type of product.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions specified in Section 7 (Handling and storage).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidising agents and strong reducing agents.

10.6. Hazardous decomposition products

The product does not decompose when used in accordance with Section 1.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity
Product/Substance: Triethanolamine
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 6400 mg/kg bw
Skin corrosion/irritation
Based on available data, the classification criteria are not considered to be met.
Serious eye damage/eye irritation
Based on available data, the classification criteria are not considered to be met.
Respiratory sensitisation
Based on available data, the classification criteria are not considered to be met.
Skin sensitisation
The product contains substances which may trigger an allergic reaction in already sensitised persons.
Germ cell mutagenicity
Based on available data, the classification criteria are not considered to be met.
Carcinogenicity
Based on available data, the classification criteria are not considered to be met.
Reproductive toxicity
Based on available data, the classification criteria are not considered to be met.
Specific target organ toxicity - single exposure
Based on available data, the classification criteria are not considered to be met.
Specific target organ toxicity - repeated exposure
Based on available data, the classification criteria are not considered to be met.
Aspiration hazard
Based on available data, the classification criteria are not considered to be met.

11.2. Information on other hazards

Long-term effects

None known.

Endocrine disrupting properties

Not applicable.

Other information

Isopropyl alcohol: The substance has been classified in IARC Group 3.

Triethanolamine: The substance has been classified in IARC Group 3.

SECTION 12: Ecological information

12.1. Toxicity

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product contains no substances considered to meet the criteria for classification as PBT and/or vPvB substances.

12.6. Endocrine disrupting properties

Not applicable.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is not covered by the rules on hazardous waste.

Swedish Waste Ordinance (2020:614).

EWC code

Not applicable.

Contaminated packaging

The waste category is indicative and depends on how the waste was generated. Packaging containing product residues must be disposed of in the same way as the product.

SECTION 14: Transport information

	14.1 UN	14.2 Proper shipping name	14.3 Class	14.4 PG*	14.5 Env**	Other
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Other

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions on use

None specific.

Special training requirements

No special requirements.

SEVESO - Hazard categories / Dangerous substances

Not applicable.

REACH, Annex XVII

Cyclohexane is subject to the restrictions of the REACH Regulation, REACH Annex XVII (Entry No. 57).

Other

Not applicable.

Sources

Swedish Work Environment Authority regulations and general advice (AFS 2007:5) on pregnant and breastfeeding workers, as subsequently amended, most recently by AFS 2018:7.
Swedish Waste Ordinance (2020:614).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Wording of H-statements referred to in Section 3

H225, Highly flammable liquid and vapour.
H226, Flammable liquid and vapour.
H228, Flammable solid.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H371, May cause damage to organs.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.
H411, Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Registration number assigned by Chemical Abstract Services
CE = Conformité Européenne
CLP = Regulation on classification, labelling and packaging of substances and mixtures
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial Chemical Substances
ES = Exposure Scenario
EUH hazard statements = Supplemental hazard statements under CLP
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution from Ships
OEL = Occupational exposure limit / time-weighted average
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration

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REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No 1907/2006)
RRN = REACH Registration Number
SCL = Specific Concentration Limit
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
SVHC = Substance of Very High Concern
UVCB = Substances of Unknown or Variable composition, Complex reaction products or Biological materials
UN = United Nations
VOC = Volatile Organic Compounds
vPvB = Very Persistent and Very Bioaccumulative

Other

Not applicable.

Safety data sheet validated by

Eclipse Biofarmab

Other

Modified data compared with the previous issue are marked with a blue triangle (first digit in the SDS version).
The information in this safety data sheet is based on our current knowledge. The information in the safety data sheet is based on the best available data and applies to the intended handling of the product. This safety data sheet relates only to this product and may not be applicable if the product is used as an ingredient in another product. If the product is used in a manner or application other than that for which it was originally developed or recommended, this is entirely at the user's own responsibility. The purpose of this safety data sheet is to describe the safety requirements for the product. It must not be understood as a guarantee of the product's properties, and the information cannot replace a product data sheet.

It is recommended that this safety data sheet be provided to the actual user of the product.

Country-language: SE-en