

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

SODIUM LACTATE

1. Identification of the substance/mixture and company

Trade name: Sodium Lactate
CAS No.: 72-17-3
EC No.: 200-772-0
Utilization: Raw material for cosmetics
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.ellemental.com
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

This product is not classified as dangerous and does not contain any hazardous ingredients Dangerous reactions: none known.

This product contains no substances classified as hazardous to health in concentrations which should be taken into account according to EC Classification (EC 1272/2008).

2.2 Label elements

None

2.3 Other hazards

No specific information is available in our database regarding the acute toxic effects of this material for humans.

3. Declaration of ingredients

The product contains the following ingredients:

Substance	Identifier	Hazard symbols	Percent %
Sodium Lactate	CAS-No.: 72-17-3 EC-No.: 200-772-0	Not classified	≈ 60%
Water	CAS-No.: 7732-18-5 EC-No.: 231-791-2	Not classified	≈ 40

4. First aid measures

4.1 Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash skin with plenty of water.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

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First-aid measures after ingestion : Rinse mouth out with water. If you feel unwell, seek medical advice. Call a poison center or a doctor if you feel unwell.

4.2 Main symptoms and effects, both acute and delayed

No additional information available

4.3 Indication to consult a physician immediately or any special treatments

Treat symptomatically.

5. Fire fighting measures

5.1 Means of extinction

Do not use water to extinguish fire. Use foam fire extinguishers, with carbon dioxide or powder.

5.2 Special hazards arising from the substance or mixture

None identified.

5.3 Recommendations for fire-fighters

Determine the need to evacuate or isolate the area according to your local emergency plan.

Suitable protective equipment: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing

6. Accidental release measures

6.1 Personal precautions, protective devices and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8

Emergency procedures : Stop release.

6.2 Environmental precautions

Prevent the product from entering drains, superficial drains, groundwater and confined areas.

6.3 Methods and materials for containment and remediation

Absorb spilled product with inert absorbent material (sand, vermiculite, diatomaceous earth). Collect most of the resulting material and deposit it in containers for disposal. Ensure adequate ventilation of the site.

6.4 Reference to other sections

Disposal of the contaminated material must be carried out in accordance with the provisions of section 13.

7. Handling and storage

7.1 Precautions for safe handling

Use in well-ventilated places. Do not eat, drink or smoke during use product handling. Always wash your hands before and after use. Use protective clothing.

7.2 Conditions for safe storage, including any incompatibilities

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Store in original container. Keep container tightly closed. Store in a well-ventilated place. Keep cool.

7.3 Specific end uses

None other than stated in section 1.

8. Exposure controls / personal protection

8.1 Control parameters

There are no specific control parameters.

8.2 Exposure controls

General recommended measures

Hand protection: Protect hands with category I work gloves (ref. Directive 89/686 / EEC and standard EN 374) such as latex, PVC or equivalent.

Skin protection: Wear work clothes with long sleeves and safety footwear for professional use of category I (ref. Directive 89/686 / EEC and standard EN 344). Wash with soap and water after removing protective clothing.

Respiratory protection: Use protective masks. The use of respiratory protection is necessary in the absence of technical measures to limit worker exposure.

Eye protection: it is recommended to wear airtight protective goggles (ref. Standard EN 166).

Environmental exposure controls: Avoid release to the environment.

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Physical state : Liquid

Appearance : Clear. Viscous liquid.

Colour : Colourless, max. 50 apha

Odour : Odourless.

Odour threshold : No data available

pH : 6.5 – 8.5

Relative evaporation rate: No data available

Melting point : Not applicable

Freezing point : No data available

Boiling point : 115 °C

Flash point : No data available

Auto-ignition temperature : Not applicable

Decomposition temperature : > 200 °C

Flammability (solid, gas) : Not applicable

Vapour pressure : No data available

Relative vapour density at 20 °C : 0.7 (Air = 1.0)

Relative density : No data available

Density : 1.32-1.34 g/cm³

Solubility : Water: Complete (100%)

Partition coefficient n-octanol/water (Log Pow) : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : 80 - 160 mPa.s (20 °C)

Explosive properties : No data available

Oxidising properties : No data available

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Explosive limits : No data available

9.2 Other information

No additional information available

10. Stability and reactivity

Stable under normal conditions of handling, use, transportation and high level of hygiene.

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under normal conditions of use.

10.3 Possibility of dangerous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

Heat, excessive heat, open flames and other sources of ignition.

10.5 Incompatible materials

Avoid contact or contamination with strong acids, alkalis or oxidizing agents.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

11.1 Information on toxicological effects

Toxicity to animals:

- LD50: Not available

- LC50: Not available

Chronic effects on humans: Not available

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Skin corrosion/irritation : Not classified pH: 6.5 – 8.5

Serious eye damage/irritation : Not classified pH: 6.5 – 8.5

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Other toxic effects on humans: No specific information is available in our database regarding the other toxic effects of this material for humans

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12. Ecological information

12.1 Toxicity

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulation potential

No additional information available

12.4 Ground mobility

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

No additional information available

13. Disposal considerations

13.1 Waste treatment methods

Disposal of product and packaging must be made in compliance with national and local legislation.

14. Transport information

14.1 UN number

ADR: Not applicable

IMDG: Not applicable

IATA: Not applicable

14.2 UN shipping name

ADR: Not applicable

IMDG: Not applicable

IATA: Not applicable

14.3 Class of danger for transport

ADR: Not applicable

IMDG: Not applicable

IATA: Not applicable

14.4 Packing group

ADR: Not applicable

IMDG: Not applicable

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IATA: Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for users

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable

15. Regulatory information

15.1 Regulations and legislation on health, safety and environment specific to the substance or mixture

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

Germany

Water hazard class (WGK) : Not classified according to Regulation Governing Systems for Handling Substances

Hazardous to Waters (AwSV)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

15.2 Chemical safety assessment.

No chemical safety assessment has been carried out

16. Additional information

16.1 Abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula-tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergen-cy Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships car-rying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - Interna-tional Civil Aviation Organization; IECS - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; INCI: International Nomenclature of Cosmetic Ingredients; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test popula-tion; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - Interna-tional Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise

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Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; PNEC: Predicted No Effect Concentration; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; STE: Short-term exposure; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.