



Material Safety Data Sheet
According to EU Regulation 1907/2006 in the current version

Date 10.01.2017
Version 1.0

SODIUM LACTATE

1. Identification of the substance/preparation and the company

Trade name: Sodium lactate
Sodium lactate 60% solution
Utilization: Raw material for cosmetic preparations
Supplier company: **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, jud.Bihor, Romania
identification: Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: numar national pentru cazuri de urgenta: 021 3183606 Institutul de Sanatate Publica Bucuresti. International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards - the substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

3. Composition / Information on ingredients

3.1.Substance: --

3.2 Mixtures

L(+)-Sodium lactate 60% H₂O 40%

Chemical identity : Sodium (S)-2-hydroxypropanoate Formula : C₃H₅O₃Na

Nr. CAS : 867-56-1 Nr.CE : 212-762-3 Nr. REACH : 01-2119971048-33-0002

No components need to be disclosed according to the applicable regulations.

4. First Aid

4.1. Description of first aid measures

Inhalation : Assure fresh air breathing. Allow the victim to rest.

Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

Ingestion : Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

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

Symptoms relating to use : Not expected to present a significant hazard under anticipated conditions of normal use.

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

General information : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice and show the label.

5. Fire-fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Under fire conditions, hazardous fumes will be present: Carbon oxides, Sodium oxides



Material Safety Data Sheet
According to EU Regulation 1907/2006 in the current version

Date 10.01.2017

Version 1.0

SODIUM LACTATE

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary. Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

5.4 Further information: no data available

6. Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

For non-emergency personnel : Evacuate unnecessary personnel.

6.2 Environmental precautions

Do not let product enter drains. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3 Methods and materials for containment and cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13. For personal protection see section 8.

7. Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Handling : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage - away from : Strong bases. Strong acids.

Sources of ignition. Direct sunlight.

7.3 Specific end use(s): Apart from the uses mentioned in section 1 no other specific uses are stipulated

8. Exposure Controls and Personal Protection

8.1 Control parameters

Components with workplace control parameters. Occupational Exposure Limits : No data available.

8.2 Exposure controls

Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of workday.



Personal protective equipment

Eye/face protection: Safety glasses with side-shields. Use equipment for eye protection tested and approved under appropriate government standards.

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 10.01.2017

Version 1.0

SODIUM LACTATE

respirator. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards.

Control of environmental exposure: Do not let product enter drains

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state at 20 °C : Liquid

Colour : Clear colorless to yellowish

Odour : Virtually odorless

Odour threshold : No data available.

pH value : 6,5 - 7,5, 20 % (25 °C) (water solution)

Melting point [°C] : No data available.

Auto-ignition temperature [°C] : Not available

Flammability (solid, gas) : Not available

Flash point [°C] : Not relevant

Boiling point [°C] : 115 °C

Evaporation rate : Not available

Vapour density : Not available

Density [g/cm³] : 1.260 - 1.340 g/cm³ (20 °C)

Thermal decomposition: > 200 °C

Solubility in water : Complete miscible

Log Pow octanol / water at 20°C : No data available.

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

9.2. Other information

Explosive properties : Not applicable

10. Stability and Reactivity

10.1 Reactivity: no data available

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: no data available

10.4 Conditions to avoid: Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible materials: Strong oxidizing agents. Strong acids. Strong bases.

10.6 Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity: Oral LD50 RAT: 2.000 mg/kg LD50 RAT 2.000 mg/kg Application method: i.p.

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: Contact with eyes may cause irritation.

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: Do not show reproductive toxicity

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available



Material Safety Data Sheet
According to EU Regulation 1907/2006 in the current version

Date 10.01.2017

Version 1.0

SODIUM LACTATE

Aspiration hazard: no data available

Additional Information

RTECS: Not available. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological Information

12.1. Toxicity

Toxicity information : No environmental damage is not known or expected under normal use.

12.2. Persistence - degradability: Biodegradable.

12.3. Bioaccumulative potential

The product is miscible with water and readily biodegradable both in soil and in water. Not expected bioaccumulation of this product. Partition coefficient: log Pow: -1,52 (20 °C)

12.4. Mobility in soil: Not established.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

12.6 Other adverse effects: no data available

13. Disposal Considerations

13.1 Waste treatment methods

Product: offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

14. Transport Information

14.1 UN number ADR/RID: - IMDG: - IATA: - Not regulated for transport

14.2 UN proper shipping name

ADR/RID: Not dangerous goods. IMDG: Not dangerous goods. IATA: Not dangerous goods

14.3 Transport hazard class(es) ADR/RID: - IMDG: - IATA: -

14.4 Packaging group ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user: For information on handling, see section 7. For information on personal protective equipment, see section 8. For information on disposal, see section 13.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: not applicable

15. Additional Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available. Seveso III Directive 2012/18/UE: not applicable

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was carried out

16. Other Information



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 10.01.2017

Version 1.0

SODIUM LACTATE

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.

Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.