

SAFETY DATA SHEET

EC Regulation No.1907/2006 (REACH) & 1272/2008 (CLP)

THIS PRODUCT IS FOR EXTERNAL USE ONLY- DO NOT INGEST

1 IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product identifier

Commercial Name: SODIUM L(+)-LACTATE 60%
INCI Name: SODIUM LACTATE
CAS No: 867-56-1
EINECS No: 212-762-3
E-Number: E325
REACH No: 01-2119971048-33-0002
Chemical Name: sodium 2-hydroxypropanoate
Chemical formula: C₃H₅O₃Na
Origin: Germany

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

Identified use (s): Food/ feedstuff additives, Pharmaceutical substance, Personal care, Cleaning agent, Industrial use

1.3 Details of the supplier of the safety data sheet

Company Name: YouWish
Contact:
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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Hazard Class	Abbreviation	Hazard Category	Hazard Code	Hazard Statement

Not classified as hazardous according to criteria of EC Regulation No. 1272/2008

2.2 Label elements

Symbols: NONE

Signal word: NONE

UN Global Harmonised System Precautionary Statements (CLP)

	Prevention Statements
P210	Keep away from heat/sparks/open flames/hot surface. No smoking
P280	Wear protective gloves/clothing, eye/face protection
P264	Wash hands thoroughly after handling
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment



	Response Statements
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P321/363	Protective clothing should be washed before reuse
P331	Do NOT induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse.
P353	Rinse skin with water/shower.
P305	IF IN EYES: Rinse cautiously with water for several minutes.
P351/338	Remove contact lenses if present and easy to do. Continue rinsing.
P337/313	If eye irritation persists: get medical advice/attention
P370/378	In case of fire: Use carbon dioxide, foam or dry powder for extinction.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P391	Collect spillage

	Storage and Disposal Statements
P403	Store in a well ventilated place.
P235	Keep cool
P501	Dispose of contents and container in accordance with international regulation

3. COMPOSITION/INFORMATION ON CONSTITUENTS

3.1 Nature Of Product: SODIUM LACTATE (100% Pure & Natural)

Sodium lactate is the sodium salt of L(+)-lactic acid, obtained by neutralisation of the acid of natural origin with a high purity sodium source. It is produced naturally by living organisms as a by-product of the glycolysis. Sodium lactate is a safe preservative with a high water holding capacity and buffering properties for food and personal care uses

3.2 Constituents

These indicative levels should be taken into account when determining the compliance of the essential oil under its condition of use. (In accordance with Regulation (EC) No 1272/2008 and IFRA/IOFI Labelling Manual 2020)

[illegible]

4. FIRST AID MEASURES

4.1 Description of first aid measures

- Ingestion:** Do not induce vomiting, give a glass of water. Seek urgent medical attention and show this information.
- Inhalation:** Remove casualty to fresh air, keep respiratory passages clear and seek urgent medical attention.
- Eye contact:** Irrigate with sterile water or saline for at least 15 minutes. Seek urgent medical attention if irritation persists or tissue damage is apparent.
- Skin contact:** Remove contaminated clothing wash thoroughly with soap and water and rinse. If causes irritation after prolonged contact, if so seek medical advice.

5. FIRE-FIGHTING MEASURES

- 5.1 Extinguisher** Use CO2, Foam or Powder extinguishers only.
DO NOT USE WATER JETS.
- 5.2 Special hazards** Avoid inhalation of smoke or fumes, may produce CO (carbon monoxide) and CO2 (carbon dioxide).

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Safety Precautions** Avoid contact with skin and eyes. Wear safety gloves, clothing and glasses.
(Consult sections 7 & 8 for additional information)
- 6.2 Environmental Safety Precautions** Eliminate all sources of ignition.
Prevent any material entering drains or waterways
- 6.2 Methods and materials for containment and clean up** Absorb spills into an inert absorbent material
(e.g. proprietary oil drying granules or sand NOT sawdust or other flammable materials.)
Wash area clean with water and detergent.
Transfer all waste to an approved waste disposal container, observing national legislation.

7. HANDLING AND STORAGE

- 7.1 Handling Precautions** Only use in a well ventilated area. Observe good housekeeping procedures when handling the product. Do not eat, drink or smoke.
- 7.2 Storage Precautions** Product is stable at room temperature.
Keep away from sources of ignition.
Store in tightly sealed containers, in a cool dry place away from direct sunlight.
Prevent access by unauthorised personnel.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

- Ingredient comments:** No exposure limits known

8.2 Exposure controls

- Respiratory Protection:** Ensure adequate ventilation.
If ventilation is insufficient use approved respirators.
- Skin/Hand Protection:** Wear personal protective equipment. Use chemical resistant safety gloves.
Polyvinyl alcohol or nitrile rubber gloves are recommended.
- Eye/Face Protection:** Wear safety glasses/visors. Ensure eye washes are available.



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	Colourless to light yellow
Odour:	Characteristic
Odour threshold:	No information available
pH 20% solution:	6.50 - 7.5
Melting point:	160°C
Initial boiling point and range:	115 °C at 101 325 Pa
Flash point:	No information available
Evaporation rate:	No information available
Evaporation factor:	No information available
Flammability (solid, gas):	non flammable
Upper flammability or explosive limits:	No information available
Lower flammability or explosive limits:	No information available
Other flammability:	No information available
Vapour pressure@ 20°C:	< 0.75 hPa
Vapour density:	No information available
Relative density@ 20°C:	1.260 - 1.340
Bulk density:	No information available
Solubility(ies):	Miscible in water
Partition coefficient@ 20°C:	Log Kow (Log Pow) -1.52
Auto-ignition temperature:	No information available
Decomposition Temperature:	No information available
Viscosity dynamic:	40 - 80 mPa.s (26 °C)
Explosive properties:	No information available
Explosive under influence of a flame:	No information available
Oxidising properties:	No information available

9.2. Other information

Viscosity in mPa.s @ 20°C:	80 - 160
Solubility in water:	Insoluble in water

10. STABILITY AND REACTIVITY

<u>10.1. Reactivity</u>	There are no known reactivity hazards associated with this product.
<u>10.2. Chemical stability</u>	Stable at normal ambient temperatures and when used as recommended.
<u>10.3. Possibility of hazardous reactions</u>	Will not polymerise.
<u>10.4. Conditions to avoid</u>	Keep away from any source of ignition, do not allow to freeze
<u>10.5. Incompatible materials</u>	Avoid strong oxidisers, acids and alkalis.
<u>10.6. Hazardous decomposition products</u>	Decomposition may release carbon dioxide, carbon monoxide and other organic compound fumes.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Oral LD50: 2.000 mg/kg **This product is NOT intended for oral use.**

Dermal LD50: N/A

LD50 dosage levels are only a guideline obtained from historical data, YouWish does not test its products on animals.

Skin corrosion/irritation: No irritation expected
Serious eye damage/irritation: No information available
Respiratory sensitisation: No information available
Skin sensitisation: No irritation expected

Germ cell mutagenicity: No information available

Carcinogenicity: No information available

11.2 Information on other hazards

Endocrine disrupting properties : No information available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Sodium-L-lactate:

Toxicity Information given is based on data obtained from similar substances.

LC50 (Oncorhynchus mykiss (rainbow trout)): 162 mg/l Exposure time: 96 h
 LC50 (Oncorhynchus mykiss (rainbow trout)): 130 mg/l Exposure time: 96 h
 NOEC (Daphnia magna (Water flea)): > 6.000 mg/l
 ErC50 (diatoms): 4.340 mg/l
 NOEC (diatoms): 2.360 mg/l

12.2 Persistence and degradability

Sodium lactate fully dissociates into Na⁺ ions and lactate. The ecotoxicology of sodium lactate can be understood in terms of the ecotoxicology of sodium chloride and lactic acid. The NOEC (Multiday) respiration inhibition for sodium chloride is 5000-8000 mg/L.

12.3 Bioaccumulative potential

Bioaccumulation is unlikely

1.4 Mobility in soil

No inhibition of activated sludge respiration was observed for 100 mg lactic acid 88%/L. The molar ratio to convert from lactic acid by weight to sodium lactate by weight is 1.24.

12.5 Results of PBT and vPvB assessment

No information available

12.6 Endocrine disrupting properties

No information available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not pour into drains or waterways.
 Care must be used to prevent the product contaminating rivers, waterways or drains. Should this happen alert the relevant authorities in accordance with statutory procedures

Comply with local and national regulations for waste disposal.
 Empty containers should be washed thoroughly with detergent before being sent for disposal.
 Washings should be disposed of as waste.

14. TRANSPORT INFORMATION

Transport this product in compliance with and provision of, the ADR/RID for Road and Rail, IMDG for Sea and ICAO/IATA for Air transportation.

UN Shipping Name (N.O.S.): NON HAZARDOUS SUBSTANCE, LIQUID, N.O.S
ADR/RID (Road/Rail): Not restricted
IMDG-CODE (Sea): Not listed
ICAO/IATA (Air): Not regulated
UN Number:
Packing Group:
Subsidiary Risk:
Packing Instructions: Non-hazardous substance, transport in suitable container..

Labelling according to ADR/RID, IMDG/IMO and ICAO/IATA:

UN Shipping Name: NON HAZARDOUS SUBSTANCE, LIQUID

15. REGULATORY INFORMATION

Product Classification: SODIUM LACTATE

This product is labelled according to the criteria of Directive CLP 1272/2008/EC.

Classification: NON- HAZARDOUS

Safety Precautions:

Do not eat, drink or smoke when using this product.
Wear protective gloves and wash hands thoroughly after handling.
Keep container tightly closed.
Avoid release to the environment.

16. ADDITIONAL INFORMATION

Legal disclaimer:

The information given on this material health and safety sheet is not a warranty as to the performance or suitability of the product. The information must be regarded only as a description of the health, safety and environmental requirements for that product. The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive. YouWish shall not be held liable for any damage resulting from handling or from contact with the product, since the conditions of use are out of our control. It is the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.