



Ekokoza s.r.o.  
Fryčovice 297, 73945, Fryčovice  
IČ: 07508247, eshop@ekokoza.cz

## Sodium lactate

Version: III

Date of compilation: 01.03.2006

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### Safety Data Sheet

legal basis:

Commission regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

##### 1.1. Product identifier

Trade name: Sodium lactate  
Product code:  
Composition for label/Other name(s): Sodium L-lactate E 325, sodium salt of natural lactic acid L (+), Aqueous solution.,

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

###### Identified uses

###### Uses:

Food additive. Specialist chemicals.

###### Uses advised against:

other than named above

##### 1.3. Details of the supplier of the safety data sheet

Name and address: Ekokoza s.r.o.  
Fryčovice 297, 73945, Fryčovice  
Phone number: IČ: 07508247, eshop@ekokoza.cz  
Fax number:  
e-mail address for a competent person responsible for the safety data sheet:

##### 1.4. Emergency telephone number

998 or 112, or contact with the nearest local Fire Department

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### General hazards

This product is not classified as hazardous according to current regulations

###### Health hazards

not applicable

###### Physical hazards

not applicable

###### Environmental hazards

not applicable

##### 2.2. Label elements

###### Hazard pictograms:

###### Signal Word:

Signal word is not required

###### Hazard statements:

Produkt is not classified as hazardous according to obligatory regulation

##### 2.3. Other hazards

This product does not fulfill the PBT or vPvB criteria according to Annex XIII to REACH Regulation (EC) 1907/2006

This substance / mixture does not contain ingredients considered to have endocrine-active properties towards the environment according to REACH 57 (f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

The product does not contain endocrine disruptor substances present in concentration  $\geq 0,1\%$ .

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

Concentration value	Substance	CAS	EC	Index number	REACH registration number	Hazard class
10 - 60 %	Sodium L-lactate	867-56-1	212-762-3	not applicable	01-2119971048-33-XXXX	not applicable



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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation

Move the victim to fresh air. Lie the victim down in the position comfortable for breathing.

##### Skin contact

Wash off with plenty of water.

##### Eye contact

Flush eyes with water as a precaution.

##### Ingestion

If any symptoms occur ensure medical aid.

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

##### Symptoms and effects:

##### Symptoms and effects

no data available

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

If any symptoms occur ensure medical aid.

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

water spray jet, dry powder, foam, carbon dioxide (CO<sub>2</sub>)

##### Unsuitable 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 may produce: hazardous gases. carbon dioxide (CO<sub>2</sub>), carbon monoxide.

#### 5.3. Advice for firefighters

If possible, remove containers from exposure. Use a water spray to cool fully closed containers. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Wear self-contained breathing apparatus and full protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Handling accident effects should be done by trained employees equipped with suitable protective equipment. Do not touch or walk through spilled material. Avoid skin and eyes contamination. Avoid breathing vapour/fog/aerosol.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Eliminate spillage if possible. Limit spillage by containment with sand or earth. Spills cover with non-combustible absorbent. e.g. sand. Earth. Pick up and transfer to properly labelled containers. Transfer for disposal. After cleaning, flush away traces with water. Washings should be collected and disposed of as a waste. Never return spills in original containers for re-use.

#### 6.4. Reference to other sections

More information about suitable personal protective equipment is given in section 8.

Dispose of in accordance with the recommendations given in Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Ensure suitable ventilation. Do not breathe vapours or spray mist. Avoid eyes and skin contamination. Use personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Smoking, eating and drinking should be prohibited in the application area. Wash hands before every break and after work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in original packagings. Keep in tightly closed containers. Keep in a cool, well-ventilated place.

Protect from heat.

#### 7.3. Specific end use(s)

See section 1.2.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### DNEL value

##### Comments

For this product DNEL value has not been derived

##### PNEC value

##### Comments

For this product PNEC value has not been calculated

##### Occupational exposure limits

##### Comments



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For this product OELs value has not been established.

Poland. OELs - Regulation of the Minister of Family, Labour and Social Policy, of 12 June 2018; Journal of Laws 2018, item 1286 as amended.

**Biological limit values comments**  
not available

### Recommended monitoring procedures

Regulation of the Minister of Health on tests and measurements applicable for hazardous substances and other adverse factors which are present in the workplace, of 2 February 2011 (Journal of Laws No33, item 166).

### 8.2.Exposure controls

#### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

#### Individual protection measures

##### Respiratory protection

No special protective equipment required.

##### Eye /face protection

If splashes are likely to occur, wear: Safety glasses with side-shields conforming to EN166 in accordance with CEN standard EN 166

##### Skin and hand protection

prolonged or repeated contact Protective gloves complying with EN 374. Glove material butyl-rubber Penetration index level 6 Break through time  $\geq$  480 min Layer thickness 0,5mm

##### Other protection equipment

Protective clothing

#### Reference to regulations

Individual protection measures should satisfy the requirements specified in the Regulation of the Minister of Economy on basic requirements for personal protection controls, of 21 December 2005 (Journal of Laws No 259, item 2173).

#### General advice

Do not eat, drink or smoke when using this product. Wash hands before every break and at the end of workday. Remove and wash contaminated clothing before re-use.

#### Environ. exposure controls

Avoid release to the environment.

## SECTION 9:Physical and chemical properties

### 9.1.Information on basic physical and chemical properties

Information on basic physical and chemical properties			
Physical state	liquid		
Appearance:	light-yellow		
		Odour threshold:	
Odour:	odourless	no data available	
Melting point/freezing point:	no data available		
Boiling point or initial boiling point and boiling range:	105 °C		
Flammability:	no data available		
Lower and upper explosion limit:	no data available		
Flash point:	no data available		
Auto-ignition temperature:	no data available		
Decomposition temperature:	> 200 °C		
pH:	6,5 - 8,5	25 °C	
Kinematic viscosity:	no data available		
Solubility:	no data available		
Partition coefficient: n-octanol/water (log value):	no data available		
Vapour pressure:	no data available		
Density and/or relative density:	Density	1 320 - 1 340 kg/m³	20 °C



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Relative vapour density:	no data available
Particle characteristics:	not applicable
<b>9.2. Other information</b>	
Information with regard to physical hazard classes:	no data available
Other safety characteristics:	no data available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability

Stable under normal conditions.

Stable under recommended storage conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

#### 10.4. Conditions to avoid

Avoid temperatures above: 200°C

#### 10.5. Incompatible materials

not known

#### 10.6. Hazardous decomposition products

In case of fire hazardous decomposition products may be produced such as: Carbon dioxide. Carbon monoxide.

### SECTION 11: Toxicological information

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

##### Acute oral toxicity

Sodium L-lactate	LD50	> 2 000 mg/kg
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##### Acute dermal toxicity

Sodium L-lactate	LD50	> 2 000 mg/kg
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##### Acute inhalation toxicity

No data available.

##### Acute toxicity - other exposure routes

No data available.

##### Skin corrosion/irritation

Classification criteria are not met

##### Serious eye damage/irritation

Classification criteria are not met

##### Respiratory sensitisation

Classification criteria are not met

##### Skin sensitisation

Classification criteria are not met

##### Germ cell mutagenicity

##### Summary

Classification criteria are not met

##### Carcinogenicity

##### Summary

Classification criteria are not met

##### Reproductive toxicity

##### Summary

Classification criteria are not met

##### STOT-single exposure

##### Summary

Classification criteria are not met

##### STOT-repeated exposure



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### Summary

Classification criteria are not met

### Aspiration hazard

Classification criteria are not met

### Information on likely routes of exposure

No data available

### Symptoms related to the physical, chemical and toxicological characteristics

no data available

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

no data available

### 11.2. Information on other hazards

#### Endocrine disrupting properties

This substance / mixture does not contain ingredients considered to have endocrine-active properties towards the environment according to REACH 57 (f), Commission Regulation (EU) 2018/605) or Commission Delegated Regulation (EU) 2017/2100.

The product does not contain endocrine disruptor substances present in concentration  $\geq 0,1\%$ .

## SECTION 12: Ecological information

### 12.1. Toxicity

Sodium L-lactate	Toxicity to fish	LC50	162 mg/l
	Toxicity to aquatic invertebrates	EC50	> 100 mg/l
	Toxicity to algae	ErC50	4 340 mg/l
	Toxicity to algae	NOEC	2 360 mg/l

### 12.2. Persistence and degradability

#### Summary

Readily biodegradable

### 12.3. Bioaccumulative potential

Sodium L-lactate	Partition coefficient: n-octanol/water	LogKow	-1,52
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#### Summary

Bioaccumulation is unlikely.

### 12.4. Mobility in soil

#### Summary

no data available

### 12.5. Results of PBT and vPvB assessment

This product does not fulfill the PBT or vPvB criteria according to Annex XIII to REACH Regulation (EC) 1907/2006

### 12.6. Endocrine disrupting properties

This substance / mixture does not contain ingredients considered to have endocrine-active properties towards the environment according to REACH 57 (f), Commission Regulation (EU) 2018/605) or Commission Delegated Regulation (EU) 2017/2100.

The product does not contain endocrine disruptor substances present in concentration  $\geq 0,1\%$ .

### 12.7. Other adverse effects

no data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Comply with below named regulations:

Waste Disposal Law, of 14 December 2012 (Journal of Laws 2013, item 21), with further amendments.

Law on packages and spent packages, of 13 June 2013 (Journal of Laws 2013, item 888).

Regulation of the Minister of Environment on Wastes catalogue, of 9 December 2014 (Journal of Laws 2014, item 1923).

Suggested waste code: 16 03 06 Organic wastes other than those mentioned in 16 03 05.

Dispose of in accordance with current legislation concerning Waste disposal.

Waste packaging should be recycled. Packaging that can not be cleaned, should be disposed of like the product.

## SECTION 14: Transport information

### 14.1. UN number or ID number

Transport type	UN Number
ADR	N/A
RID	N/A
IMDG	N/A
ICAO	N/A
ADN	N/A



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### 14.2. UN proper shipping name

Transport type	UN proper shipping name
ADR	not subject to transport regulations
RID	not subject to transport regulations
IMDG	not subject to transport regulations
ICAO	not subject to transport regulations
ADN	not subject to transport regulations

### 14.3. Transport hazard class(es)

Transport type	Transport hazard class:	Classification code:	Hazard identification number:	Tunnel restriction code:	Labels numbers:
ADR	not relevant	not relevant	not relevant	-	not relevant
RID	not relevant	not relevant	not relevant	-	not relevant
IMDG	not relevant				not relevant
ICAO	not relevant				not relevant
ADN	not relevant				not relevant

### 14.4. Packing group

Transport type	Packing group:
ADR	not relevant
RID	not relevant
IMDG	not relevant
ICAO	not relevant
ADN	not relevant

### 14.5. Environmental hazards

The product does not pose a hazard to the environment in accordance with the criteria of the UN Model Regulations.

### 14.6. Special precautions for user

not available

### 14.7. Maritime transport in bulk according to IMO instruments

not available

## SECTION 15: Regulatory information

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

ACT of 25 February 2011 on the chemical substances and their mixtures (Journal of Laws No. 63, item 322), with further amendments.  
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),  
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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OJ L 353, 31.12.2008, p. 1).

### 15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out for all ingredients.

## SECTION 16: Other information

### Changes of previous version

General revision

### Key or legend to abbreviations and acronyms used in the safety data sheet

Expl. - Explosive  
Flam. Gas - Flammable gas  
Flam. Aerosol - Flammable aerosol  
Ox. Gas - Oxidising gas  
Press. Gas - Gases under pressure  
Flam. Liq. - Flammable liquid  
Flam. Sol. - Flammable solid  
Self-react. - Self-reactive substance or mixture  
Pyr. Liq. - Pyrophoric liquid  
Pyr. Sol. - Pyrophoric solid  
Self-heat. - Self-heating substance or mixture  
Water-react. - Substance or mixture which in contact with water emits flammable gas  
Ox. Liq. - Oxidising liquid  
Ox. Sol. - Oxidising solid  
Org. Perox. - Organic peroxide  
Met. Corr. - Substance or mixture corrosive to metals  
Acute Tox. - Acute toxicity  
Skin Corr. - Skin corrosion  
Skin Irrit. - Skin irritation  
Resp. Sens. - Respiratory sensitization  
Skin Sens. - Skin sensitization  
Muta. - Germ cell mutagenicity





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Carc. - Carcinogenicity  
Repr. - Reproductive toxicity, Category 1A  
STOT SE - Specific target organ toxicity — single exposure  
STOT RE - Specific target organ toxicity — repeated exposure  
Asp. Tox. - Aspiration hazard  
Aquatic Acute - Hazardous to the aquatic environment - Acute  
Aquatic Chronic - Hazardous to the aquatic environment - Chronic  
Ozone - Hazardous for the ozone layer  
Lact. - Effects on or via lactation  
NDS - Maximum permissible exposure level/concentration  
NDSCH - Maximum short-term exposure level/concentration  
NDSP - Maximum permissible ceiling exposure level/concentration  
vPvB (Substance) very persistent and very bioaccumulating  
PBT (Substance) persistent, bioaccumulating and toxic  
PNEC – Predicted No Effect Concentration  
DNEL – Derived No Effect Level  
LD50 - Lethal dose 50; dose/amount of a substance which kills 50 % of the test population  
LC50 - Lethal concentration; concentration of a substance which kills 50 % of the test population  
LOEC - Lowest Observed Effect Concentration  
NOEL No Observed Effect Level  
NOEC - No Observed Effect Concentration  
ECX - Effective concentration; concentration of a substance which produces X % effect response  
ADR – Agreement Concerning the International Carriage of Dangerous Goods by Road  
ADN – Agreement Concerning the International Carriage of Dangerous Goods by Inland Waters  
RID – Regulations Concerning the International Carriage of Dangerous Goods by Rail  
IMDG – International Maritime Dangerous Goods Code  
ICAO/IATA – International Civil Aviation Organization/International Air Transport Association  
UVCB - Substances of Unknown or Variable composition, Complex reaction products or Biological materials

### Key literature references and sources for data

This safety data sheet has been prepared based on the MSDS provided by the manufacturer or / and internet databases and current regulations.

### Advice on any training appropriate for workers to ensure protection of human health and the environment

People involved in the handling of the product should be trained in the handling, safety and hygiene.

### List of relevant hazard statements and/or precautionary statements

not applicable

Produkt is not classified as hazardous according to obligatory regulation

### Other Information

This product is not classified as hazardous . Exposure scenarios are not required.

The information contained in this safety data sheet refer to the product in the form in which it is delivered

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product in terms of safety requirements.

These data can not be considered in any case describe the product (as product specification).