



Safety data sheet

According to Regulation (EU) No. 453/2010

Version: 07

Revision: 19.01.2017
Printing date: 31.01.2018

Trade name: Leiber-Aromor XSR, LS

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

1.1. Product identifier

Product: Yeast Extract
Trade name: Leiber-Aromor XSR, LS
Art. No.: 100014

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

Relevant use: Food industry

1.3. Details of the supplier of the safety data sheet

Manufacturer:

Leiber GmbH
Hafenstrasse 24
49565 Bramsche
Germany

Tel.: +49 (0) 5461 / 9303 – 0

Fax: +49 (0) 5461 / 9303 – 19

d.vahle@leibergmbh.de

Contact for technical information:

FOOD@leibergmbh.de

1.4. Emergency telephone number

Tel.: +49 (0) 541 / 58 04 92 42

Section 2: Hazards identification

2.1 Classification of the substance or mixture

No hazardous product as specified in Regulation (EC) No. 1272/2008 (CLP regulation), in Directive 67/548/EEC (valid for substances) or Directive 1999/45/EC (valid for preparations). The product does not need to be labelled in accordance with EC directives, regulations or respective national laws.

2.2. Label elements

Not applicable

2.3. Other hazards

Not applicable

Trade name: Leiber-Aromor XSR, LS

Section 3: Composition/information on ingredients
3.1. Substances

Yeast extract is a natural product of varying composition originated from yeast cells. Main components are proteins, peptides and amino acids. Furthermore it contains vitamins, mineral nutrients, micronutrients and carbohydrates. The exact composition can be found in the specific product data sheet.

Saccharomyces cerevisiae, ext.

CAS-No.: 84604-16-0

EINECS-No.: 283-294-5

Section 4: First aid measures
4.1. Description of first aid measures

4.1.1. **General information:** Personal protective equipment must be used. No special measures required.

4.1.2. **After inhalation:** Remove from exposure and supply fresh air. Consult doctor in case of complaints.

4.1.3. **After skin contact:** Rinse affected skin with warm water. In general this product is not irritating to the skin. Consult doctor in case of complaints.

4.1.4. **After eye contact:** Rinse opened eye for 10 minutes under running water. Consult doctor in case of complaints.

4.1.5. **After swallowing:** Rinse out mouth and then drink plenty of water. Consult doctor in case of complaints.

4.1.6. **Advices for the doctor:** Show this safety data sheet.

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

This product is a natural ingredient and does not cause irritation, unless inhaled or put into contact with eyes.

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

Not applicable

Section 5: Fire-fighting measures
5.1. Extinguishing media

Suitable extinguishing agents: Water, carbon dioxide (CO₂), foam, extinguishing powder

Not suitable extinguishing agents: Not known.

5.2. Special hazards arising from the substance or mixture

In case of fire carbon monoxide and carbon dioxide can be released.

5.3. Advice for fire-fighters

Wear self-contained respiratory protective device and appropriate protective clothing.

Trade name: Leiber-Aromor XSR, LS

Section 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation of dust. Wear suitable protective equipment referred to under Section 8 of the material safety data sheet to prevent any contamination of skin, eyes and personal clothing.

6.2. Environmental precautions

Do not allow to enter surface water or sewage system.

6.3. Methods and material for containment and cleaning up

Pick up mechanically and discard properly. Rinse affected area thoroughly with water. Avoid formation of dust.

6.4. Reference to other sections

See Sections 8 and 13.

Section 7: Handling and storage
7.1. Precautions for safe handling

Avoid formation of dust. Avoid spills and keep away from drains.
 Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly sealed. Store at a cool and dry place in its original packaging. Protect from sunlight.
 Product can pick up flavour from the surroundings. Storage class VCI: 10 - 13 (Other liquids and solids)

7.3. Specific end use(s)

This yeast extract can be used in food or as a growth factor for biochemical fermentation processes.

Section 8: Exposure controls/personal protection
8.1. Control parameters

This product does not contain components with occupational exposure limits.

8.2. Exposure controls
Eye protection:

Safety glasses according to EN 166.

Skin protection:

Appropriate protective work clothing and gloves.

Respiratory protection:

Suitable respiratory protective device is recommended when dust is generated.

Environmental precautions:

See Section 6 and 7.

Trade name: Leiber-Aromor XSR, LS

Section 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Appearance:	solid (powder)
Colour:	beige to brown
Odour:	typical for yeast extract
pH-value (50 g/L at 20°C):	5,0 - 6,6
Melting point:	not applicable
Boiling point:	not applicable
Flash point:	not applicable
Flammability:	not flammable at 400°C; MIE > 10mJ
Explosion limit:	294dP/dt; P(max): 7,1bar; Kst: 80-81bar*m/s; dust explosion class St 1
Vapour pressure:	not applicable
Density:	300 - 600 kg/m ³
Solubility in water:	at least 200 g of dry matter per kg of solution
Auto-ignition temperature	> 470°C
Granulometry:	20 - 1000 µm
Viscosity:	not applicable

9.2. Other information
 Not applicable

Section 10: Stability and reactivity
10.1. Reactivity
 Not applicable.

10.2. Chemical stability
 Avoid thermal exposure (heating).

10.3. Possibility of hazardous reactions
 Finely dispersed flammable organic particles might be sensitive to dust explosion.

10.4. Conditions to avoid
 Avoid thermal exposure (heating). Avoid strong oxidizing agents.

10.5. Incompatible materials
 Avoid strong oxidizing agents.

10.6. Hazardous decomposition products
 No dangerous decomposition products known when used in the intended way.

Trade name: Leiber-Aromor XSR, LS

Section 11: Toxicological information
11.1. Information on toxicological effects
Acute toxicity

LD ₅₀ (oral, mouse, male/female):	> 2000 mg/kg
OECD Guideline 401	
LD ₅₀ (dermal, rat, male/female):	> 2000 mg/kg
OECD Guideline 402	

This product is not classified according to EC Regulation No. 1272/2008 (CLP regulation). If used in an appropriate and intended way, no harm for humans and animals could be expected.

Observe the general safety regulations when handling chemicals.

The product is originated from natural sources with no harm for humans and environment.

Section 12: Ecological information
12.1. Toxicity

Data about ecotoxicity are not available. If used in the intended way, no environmental harm is known and could not be expected.

12.2. Persistence and degradability

No persistence is expected. All organic components are fully biodegradable.

12.3. Bioaccumulative potential

Data about the bioaccumulative potential are not available, but based on the composition of the product no accumulation could be expected.

12.4. Mobility in soil

Data about mobility are not available.

12.5. Results of PBT and vPvB assessment

Substance does not meet the screening criteria for persistency and toxicity, so it is neither PBT nor vPvB.

12.6. Other adverse effects

If used in an appropriate and intended way, no environmental harm could be expected.

Section 13: Disposal considerations
13.1. Waste treatment methods

Substance/Preparation: Disposal must be made according to official regulations. The kind of disposal is to be inquired at the responsible local authorities. Smaller amounts can be disposed with household waste.

Packaging: Disposal must be made according to official regulations. The kind of disposal is to be inquired at the responsible local authorities. Not contaminated packaging's can be disposed with household waste.

Trade name: Leiber-Aromor XSR, LS

Section 14: Transport information

- 14.1. UN number**
Not applicable.
- 14.2. UN proper shipping name**
Not applicable.
- 14.3. Transport hazard class(es)**
Not applicable.
- 14.4. Packing group**
Not applicable.
- 14.5. Environmental hazards**
Not applicable.
- 14.6. Special precautions for user**
Not applicable.
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
Not applicable.

Section 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
This product is not classified according to the CLP regulation, to Regulation (EC) No. 1272/2008 and to directives 67/548/EEC and 1999/45/EC.
This product is generally not hazardous to water.
- 15.2. Chemical safety assessment**
A chemical safety assessment has not been carried out.

Trade name: Leiber-Aromor XSR, LS

Section 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: Quality, Environment and Safety Management.
Contact person: Mr Dietmar Vahle (Tel.: +49 (0) 5461 / 9303 – 656)

24.01.2011	Establishing SDS to comply Regulation (EC) No. 1907/2006
30.05.2013	Revision of SDS to comply Regulation (EU) No. 453/2010
07.01.2015	Actualisation of SDS
29.01.2016	Actualisation of SDS

Abbreviations and Acronyms

CLP:	Regulation on Classification, Labelling and Packaging of Substances and Mixtures (Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
EINECS:	European Inventory of Existing Commercial Chemical Substances
PBT:	Persistent, bioaccumulative and toxic
SDS:	Safety data sheet
VCI:	Verband der Chemischen Industrie e.V.
vPvB:	Very persistent, very bioaccumulative