

SAFETY DATA SHEET
According to Regulation (EC) No 1907/2006

Liposam

Date of Issue: 11/06/2020

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

1.1. Product identifier

Product name: Liposam (min 50% Natural biopolymer (polysaccharide) Enposam)

Chemical description: Not applicable.

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

Lipogenic composition, which used as adhesive preparation for plant growing, other industries.

1.3. Details of the supplier of the safety data sheet

Private Enterprise «BTU-Center»

24321, Budivelnykiv str., 35,

Ladyzhin, Vinnytsia reg., Ukraine.

Tel. number: +38 (04343) 6-96-28

btucenter@ukr.net

www.btu-center.com

1.4. Emergency telephone number

Emergency number: +38 (04343) 6-96-28

Poison Information Center North: +49-228-19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The product is classified as no hazardous, accordingly with the guidelines No.67/548 /EEC and/or No.1999/45 /EEC, Regulation (EC) No. 1272/2008.

Most severe adverse physical-chemical effects in using the substance/preparation: None are known.

Most severe adverse effects on human health in using substance/preparation: None are known.

Most severe adverse effects on the environment in using the substance/preparation: None are known.

Symptoms related to use and potentially improper use of the substance/preparation: An application that is not in accordance with the service instructions and the data stated in this Safety Data Sheet.

2.2. Label elements

Not applicable.

2.3. Other hazards

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.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Molecular Formula: Not applicable

CAS Registry #: None.

Synonym: None.

3.2. Mixtures

Chemical name	CAS-No	Concentration (%)
Natural biopolymer (polysaccharide) Enposam	-	min. 50
Drinking water	7732-18-5	max. 48,8
Other components	-	min. 1,2

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:	No hazards which require special first aid measures.
First-aid measures after inhalation:	Not likely to occur under normal conditions of use. Remove to fresh air. Visit a doctor if an allergic reaction occurs.
First-aid measures after skin contact:	No harmful effect with normal skin. Wash with soap and water.
First-aid measures after eye contact:	Check for and remove any contact lenses. Flush with water for 15 minutes. If symptoms persist get medical attention.
First-aid measures after ingestion:	If swallowed, DO NOT induce vomiting. Rinse mouth with water. Obtain medical attention.

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

Symptoms/injuries after inhalation:	No effects known.
Symptoms/injuries after skin contact:	No effects known.
Symptoms/injuries after eye contact:	May cause eye irritation and if not immediately rinsed out.
Symptoms/injuries after ingestion:	Not an expected route of exposure.

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

None.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Powder, carbon dioxide, foam or water.
Unsuitable extinguishing media:	Not applicable.

5.2. Special hazards arising from the substance or mixture

None.

5.3. Advice for firefighters

Use self-contained breathing apparatus and protective clothing if needs.

5.4. Further information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop leak if you can do so without risk. Consult safety measures listed under Sections 7 and 8.

6.2. Environmental precautions

Contain and control the leaks or spills. Avoid allowing product to reach sewage system or any waterways. Inform respective authorities in case of seepage into sewage system or waterways.

6.3. Methods and material for containment and cleaning up

Absorb spill and transfer to containers.

6.4. Reference to other sections

Section 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Precautions for safe handling: For the use of product there are no special safety measures needed. Do not eat, drink or smoke during handling. All fire-preventing measures must be obeyed during handling. When working with this product, use personal safety work equipment, ensure adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Store in closed containers, away from heat, light and other sources of ignition. Store in cool area, dry conditions, 36 months from the date of manufacture at a temperature from 4 °C to 20 °C.

7.3. Specific end use(s)

No information provided.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available.

8.2. Exposure controls

Appropriate engineering controls:	General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical equipment should be grounded and conform to applicable electrical code.
Hand protection:	Wear suitable protective gloves in the event of prolonged or repeated skin contact.
Eye protection:	Avoid contact with eyes. Use eye protectors (safety goggles in accordance with standard EN166) designed to protect against liquid splashes.
Skin and body protection:	Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.
Respiratory protection:	In case of inadequate ventilation or where exposure levels are not known wear approved respiratory protection.

Control of environmental exposure No additional information available.
Protective measures: No additional information available.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Gel.

Odor: Slight, specific.

Odor threshold: No data available.

Color: From light gray to beige.

PH: 4,5 – 8,5.

Flammability: Not flammable.

Solubility: Soluble.

Lower Explosion Limit: No data available.

Upper Explosion Limit: No data available.

Density: 1,005 – 1,010 g/cm³.

Conductivity: No data available.

Flash point: No data available.

Ignition temp: No data available.

Self-ignition temp: No data available.

Melting Point: No data available.

Boiling Point: No data available.

Vapor Pressure: No data available.

Evaporation Rate: No data available.

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal use conditions. Not classified as a reactivity hazard.

10.2. Chemical stability

Stable under recommended conditions of storage.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight, extremely high or low temperatures.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous decomposition products

None under normal use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:	Not classified based on available information.
Skin corrosion/irritation:	For the component/components, either no data is currently available or the data is not sufficient for classification.
Serious eye damage/irritation:	For the component/components, either no data is currently available or the data is not sufficient for classification.
Respiratory or skin sensitization:	For the component/components, either no data is currently available or the data is not sufficient for classification.
Germ cell mutagenicity:	Not classified based on available information.
Carcinogenicity:	For the component/components, either no data is currently available or the data is not sufficient for classification.
Reproductive toxicity:	For the component/components, either no data is currently available or the data is not sufficient for classification.
Specific target organ toxicity (single exposure):	The substance or mixture is not classified as specific target organ toxicant, single exposure.
Specific target organ toxicity (repeated exposure):	For the component/components, either no data is currently available or the data is not sufficient for classification.
Aspiration hazard:	This product does not present an aspiration hazard.

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

SECTION 12: Ecological information

12.1. Toxicity

No information provided.

12.2. Persistence and degradability

Biodegradation is expected.

12.3. Bio accumulative potential

No test data available.

12.4. Mobility in soil

No test data available.

12.5. Results of PBT and vPvB assessment

Does not contain persistent, bioaccumulative, toxic or highly persistent and highly bioaccumulative substances, according to the criteria in Annex XIII, EC Directive.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product	Dispose of in accordance with local regulations.
Contaminated packaging	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Recommendation:	Contact your local experts to obtain information about use or disposal of the material involved.

SECTION 14: Transport information

14.1 UN number

Not regulated.

14.2 UN proper shipping name

Not regulated.

14.3 Transport hazard class(es)

Not regulated.

14.4 Packaging group

Not regulated.

14.5 Environmental hazards

No information provided.

14.6 Special precautions for user

No data available.

SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006, No. 2015/830.

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Declaration:

The information in this safety data sheet is based on the provided data and samples. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in a purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations, and recommendations or which are necessary and/or useful based on the real applicable circumstances. Private Enterprise «BTU-Center» does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties.