

SAFETY DATA SHEET

Betula alba bark extract oleogel (sunflower oil)

According to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

- 1.1. Product name:** Product name: Betula alba bark extract oleogel (sunflower oil)
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:** PC39: Cosmetics, personal care products
SU21: Professional uses
- 1.3. Producer:** Latvijas Finieris AS
Bauskas Street 59, Riga, LV-1004, Latvia
Phone: (+371) 67 067 207
E-mail: info@finieris.lv
- 1.4. Emergency telephone number:** LATVIA - State Fire and Rescue Service: (+371) 112
National Poison Information Centre: (+371) 67042473
Other countries: contact local emergency services

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

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

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) no. 1272/2008 on classification, labelling and packaging of substances and mixtures.

Additional information: None.

- Hazard pictograms:** None
- Signal word:** None
- Hazard statements:** None
- Hazardous ingredients:** None
- Precautionary statements:** None
- Supplemental hazard information:** Not applicable
- Containers to be fitted with child-resistant fastenings:** Not applicable
- Tactile warning of danger:** Not applicable

2.3. Other hazards

Product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).

See Section 11 for more detailed information on health effects and symptoms.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Solution of the following hazardous substances and non-hazardous substances.

INCI name	Identifiers	Conc., %	Classification according to Regulation (EC) No 1272/2008 (CLP)	Type
HELIANTHUS ANNUUS SEED OIL	EC no.: 232-273-9 CAS no.: Not available INDEX: Not available REACH: Not available	93-97	Not classified	-

BETULA ALBA BARK EXTRACT	EC no.: 281-660-9 CAS no.: 84012-15-7 INDEX: Not available REACH: Not available	3-7	Not classified, based on supplier information	-
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Occupational exposure limits, if available, are listed in Section 8. No H statements apply to the product classification.
Type: [1] Substance classified with a health or environmental hazard.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Inhalation is not considered a likely route of exposure due to the physical state of the product (gel). Under normal conditions of use, no special first aid measures are required.

Skin contact: No skin reaction should appear under normal usage conditions. In case of rare allergic reactions or irritation, wash thoroughly with water and soap. If irritation persists, seek medical advice.

Eye contact: Flush eyes with running water. Get medical attention. If irritation or redness develops and persists, seek medical attention.

Ingestion: Rinse mouth thoroughly with water. Drink 1–2 glasses of water. Do not induce vomiting unless directed to do so by medical personnel. If large quantities are swallowed or if you feel unwell, seek medical attention.

Self-protection: Ensure your own safety before helping others.

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

Inhalation: No adverse effects or symptoms expected due to the physical form of the product.

Skin contact: No reaction expected under normal usage conditions; may cause an isolated allergic reaction or mild redness in highly sensitive individuals.

Eye contact: No eye irritation and redness expected. Eyes may water profusely.

Ingestion: No soreness and redness of the mouth and throat expected.

Delayed/immediate effects: Immediate effects can be expected after short-term direct exposure. No delayed or chronic effects are expected under normal conditions of use.

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

Specific treatments: Eye bathing equipment must be available on the premises.

See Section 11 for more detailed information on health effects and symptoms.

5. FIREFIGHTING MEASURES

5.1 Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry extinguishing media and foam are suitable.

Unsuitable extinguishing media: Do not use water jet.

5.2. Special hazards arising from the substance or mixture: Fire water contaminated with this material must be contained and prevented from being discharged to any waterways, sewer or drain.

5.3. Advice for firefighters: Mixture is insoluble in water. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters, including helmets, protective boots and gloves, conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not walk through spilled material. Put on appropriate personal protective equipment.

6.1.2. For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

6.2. Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution. Avoid release to environment.

6.3. Methods and material for containment and cleaning up: Small spill: Stop leak if without risk. Move containers from spill area. As the product is water-insoluble, absorb with inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or contain and collect spillage with non-combustible absorbent material, e.g. sand, earth, vermiculite or diatomaceous earth, and place in a container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

6.4. Reference to other sections: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

The information in this section contains generic advice and guidance.

7.1. Precautions for safe handling - protective measures: Put on appropriate personal protective equipment (see Section 8). Avoid getting in eyes or clothing. Avoid ingesting. Avoid release to environment. Keep in the original container or an approved alternative made from compatible material, kept tightly closed when not in use. Empty containers retain product residues and can be hazardous. Do not reuse container.

Advice on general occupational hygiene: Keep away from food, drink and animal feedingstuffs.

7.2. Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store between +5 °C and +25 °C. Keep away from heat and sources of ignition. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

The information in this section contains generic advice and guidance.

8.1. Control parameters:

Occupational exposure limits: Limit values are laid down throughout the EU, but each Member State establishes its own national OELs, often going beyond EU legislation (IOELV). OELs are set by competent national authorities and other relevant institutions.

GESTIS - International limit values / Substance name	Limit value 8 hours mg/m ³ / ppm	Limit value short term (15 min) mg/m ³ / ppm
Not applicable	-	-

Recommended monitoring procedures:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the

assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Appropriate engineering controls: Not applicable.

8.2. Exposure controls

Appropriate engineering controls: Not applicable.

Individual protection measures:



Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety glasses with side-shields (frame goggles), e.g. EN 166, should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, this protection should be worn.

Hand protection: Chemical-resistant, impervious gloves recommended: type C. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.

Body protection: No special protective equipment is needed.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Not applicable.

Thermal hazards: Not applicable.

Environmental exposure controls: Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state: Semisolid gel

Color: Golden yellow

Odor: Very low

Viscosity: 700-1000 mPa·s

Solubility: Insoluble in water / not available for other solvents

Iodine value: 110-140 g iodine / 100 g

Peroxide value: ≤ 10.0 meq active oxygen / kg

Refractive index at 20°C: 1.460-1.490

9.2. Information with regard to physical hazard classes: Not available

Other safety characteristics: Not available

10. STABILITY AND REACTIVITY

10.1. Reactivity: Not available

10.2. Chemical stability: Stable under recommended storage and handling conditions.

10.3. Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid: High temperatures.

10.5. Incompatible materials: Not available.

10.6. Hazardous decomposition products: Not available. See Section 5 for fire-related information.

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity estimate (ATE): Based on available data, does not meet the classification criteria. No known effect according to our database.

Irritation / corrosion: Based on available data, does not meet the classification criteria. No known effect according to our database.

Sensitisation: Based on available data, does not meet the classification criteria. No known effect according to our database.

Repeated dose toxicity: Based on available data, does not meet the classification criteria. No known effect according to our database.

Carcinogenicity: Based on available data, does not meet the classification criteria. No known effect according to our database.

Mutagenicity: Based on available data, does not meet the classification criteria. No known effect according to our database.

Toxicity for reproduction: Based on available data, does not meet the classification criteria. No known effect according to our database.

Specific target organ toxicity, single/repeated exposure: Based on available data, does not meet the classification criteria. No known effect according to our database.

Aspiration hazard: Based on available data, does not meet the classification criteria. No known effect according to our database.

Potential acute health effects: No known significant effects or critical hazards.

Symptoms related to physical, chemical and toxicological characteristics: No known significant effects or critical hazards.

Short-term exposure: Potential immediate effects: Not available. Potential delayed effects: Not available.

Long-term exposure: Not available. Potential immediate effects: Not available. Potential delayed effects: Not available.

Potential chronic health effects: Conclusion/summary: Not available. General, carcinogenicity, mutagenicity, teratogenicity, developmental effects and fertility effects: no known significant effects or critical hazards.

11.2. Other information

Endocrine-disrupting properties: Not available.

Information on other hazards: Not available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity: Based on available data, does not meet the classification criteria.

12.2. Persistence and degradability: As per available information, no properties.

12.3. Bioaccumulative potential: As per available information, no properties.

12.4. Mobility in soil: As per available information, no properties.

12.5. Results of PBT and vPvB assessment: Product and ingredients do not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).

12.6. Endocrine disrupting properties: As per available information, no properties.

12.7. Other adverse effects: No known significant effects or critical hazards

13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance.

13.1. Waste treatment methods - product: Waste must be disposed of in accordance with EU, national and local environmental control regulations. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

European waste catalogue (EWC): 070608 - other still bottoms and reaction residues

Packaging - methods of disposal: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Completely emptied packaging can be added to general waste collection. Incineration or landfill should only be considered when recycling is not feasible. Within the present knowledge of the supplier, packaging is not regarded as hazardous waste as defined by EU Directive 2008/98/EC.

Packaging - European waste catalogue (EWC): Container: 20 01 39 - plastics

14. TRANSPORT INFORMATION

This product does not require classification as dangerous goods according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

International transport regulations:

14.1. UN number: This product does not require a classification for transport.

14.2. UN proper shipping name: This product does not require a classification for transport.

14.3. Transport hazard class(es): This product does not require a classification for transport.

14.4. Packing group: This product does not require a classification for transport.

14.5. Environmental hazards: This product does not require a classification for transport.

14.6. Special precautions for user: Avoid heat and sources of ignition. Keep containers tightly closed, upright and protected from leakage.

14.7. Maritime transport in bulk according to IMO instruments: Not available.

15. REGULATORY INFORMATION

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

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.

Regulation (EC) No 1907/2006 concerning Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), including Annex II as amended by Commission Regulation (EU) 2020/878.

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road, as amended.

RID - Regulations concerning the International Carriage of Dangerous Goods by Rail, as amended.

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways, as amended.

IMDG Code - International Maritime Dangerous Goods Code.

IATA/ICAO - International Air Transport Association / International Civil Aviation Organization.

MARPOL 73/78 - International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978.

Annex XIV - List of substances subject to authorisation: Substances of very high concern: None of the components are listed, based on supplier information.

Annex XVII - Restrictions on manufacture, placing on the market and use: Not applicable, based on supplier information.

15.2. Chemical safety assessment: Chemical Safety Assessment following Regulation 1907/2006/EC has not been carried out for the product by the supplier.

16. OTHER INFORMATION

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Version: 1.0

Abbreviations and acronyms

CLP: Classification, Labelling and Packaging Regulation [Regulation (EC) No 1272/2008]
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: International Rule for Transport of Dangerous Substances by Railway
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
CAS: Chemical Abstracts Service
EINECS: European Inventory of Existing Commercial Chemical Substances
LC50: Median lethal concentration
LD50: Median lethal dose
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
PBT: Persistent, bioaccumulative and toxic
vPvB: Very persistent, very bioaccumulative

Full text of classifications and H statements [CLP/GHS]: Not applicable/not available.

Training advice: In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS.

Key literature sources: ECHA Database; supplier information.

Disclaimer of liability

The information in this MSDS/SDS was obtained from sources believed to be reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond the supplier's control and may be beyond the supplier's knowledge. For this and other reasons, the supplier does not assume responsibility and expressly disclaims liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

Developed by: SIA Ge&AI, bureau of impartial expertise; AS Latvijas Finieris Wood Biomass Product Development Project Specialist L. K. Bērziņa
Approved by: AS Latvijas Finieris Product Development & Research Department Manager A. Bobulis; Betulin Experimental Laboratory Lead A. R. Feldmanis

END OF SAFETY DATA SHEET