according to Commission Regulation (EU) 2020/878 as amended

BALTECH FERMEŽ LNĚNÁ P6420

Creation date	01st July 2023		
Revision date		Version	1.0

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

1.1. Product identifier — BALTECH FERMEŽ LNĚNÁ P6420

Substance / mixture	substance
Chemical name	linseed oil, oxidezed
CAS number	68649-95-6
EC (EINECS) number	272-038-8
Registration number	01-2119484875-20

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

Substance's intended use

Linseed oil oxidized. Natural protective oil. Thinner for oil and varnish paints and oil glazier´s putty. Impregnation.

Substance uses advised against

not available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Name or trade name	BARVY A LAKY TELURIA, s.r.o.
Address	č.p. 1, Skrchov, 679 61 Czech Republic
Identification number (CRN)	43420371
VAT Reg No	CZ43420371
Phone	+420 516 474 211
E-mail	info@teluria.cz
Web address	http://www.bal.cz

Competent person responsible for the safety data sheet

Name	BARVY A LAKY TELURIA,s.r.o.
E-mail	info@teluria.cz

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the substance in accordance with Regulation (EC) No 1272/2008

The substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

Full text of all classifications and hazard statements is given in the section 16.

2.2. Label elements

Precautionary statements

P102	Keep out of reach of children.
P262	Do not get in eyes, on skin, or on clothing.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves.
P501	Dispose of contents/container to in accordance with local regulations by handing over to a person authorized to dispose of waste or a site designated by the town.

BARVY A LAKY TELURIA, s.r.o.
č.p. 1, 679 61 Skrchov, Czech Republic
IČ: 43420371
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www.bal.cz

2.3. Other hazards

The substance does not have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. The substance is neither listed in Annex XIV of REACH nor on the REACH candidate list of substances of very high concern (SVHC).

SECTION 3: Composition/information on ingredients

3.1. Substances

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 68649-95-6 EC: 272-038-8 Registration number: 01-2119484875-20	**substance main component** linseed oil, oxidezed	>99		

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air.

If on skin

Remove contaminated clothes.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person.

If swallowed

Rinse out the mouth with clean water. Do NOT induce vomiting. If possible, provide a small amount of activated carbon (1-2 crushed tablets). Serve activated charbon dissolved in a small amount of water. In the event of issues, find medical help.

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

If inhaled

Not expected.

If on skin

Not expected.

If in eyes

Not expected.

If swallowed

Not expected.

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

Symptomatic treatment.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Accommodate extinguishing components to the location of fire.

Unsuitable extinguishing media

not available

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves. Use a self-contained breathing apparatus and full-body protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Follow the instructions in the Sections 7 and 8.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. If possible prevent leakage, close container and place damaged container in protective container. In the event of substantial pollution, contact respective authorities and wastewater treatment plants.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. To avoid the risk of fire, all contaminated materials should be soaked with water and store in closed metal container.Collect and dispose of contaminated wastewater.

6.4. Reference to other sections

See the Section 7, 8 and 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

7.1.1. General health measures:

Do not eat, drink, smoke on the site. Wash your hands and other contaminated parts of body by soap and water before eating and after the use of product is finished. Abide by requirements on personal hygiene when working with hazardous chemical products. When working, use the recommended personal protective equipment listed in 8.2 of the Safety Data Sheet. Keep the protective clothing and protective equipment sound and clean. Immediately replace the damaged protective aids for sound ones. Keep the site, tools and aids clean and in sound state. On the site, keep the product in labelled containers or tanks. Store product waste and wastes contaminated by the product in suitable and properly labelled vessels located on designated marked and protected places. Ensure long-term storing of wastes containing the product outside the site.

7.1.2. Fire precautions

Materials contaminated with the product, such as cleaning rags, paper towels, and protective clothing, may self-ignite several hours later. To avoid the risk of fire, all contaminated materials should be soaked with water and stored in closed metal container. When using the product, prevent potential ignition caused by contact with open flame, sparks, extremely hot surfaces, electrostatic discharges. Do not smoke on the site, use non-sparking tools.

7.1.3. Environmental precautions

Handle the product on a site technically adapted to avoid accidental leakage to sewerage systems, water or soil. Product waste and wastes contaminated by the product to be disposed of as hazardous waste. Waste water contaminated by the product may only be discharged to water reservoirs after the product components are properly removed in a waste water treatment plant or in other appropriate treatment plant able to remove drifted product components from water. Do not pour the product to waste water. Emissions of solvent from point sources are subjected to control requirements acc. to air protection regulations.

7.2. Conditions for safe storage, including any incompatibilities

Store the product in properly marked, closed containers in well ventilated spaces at 10-30 °C. The storages must meet the requirements on storing of flammable liquids and substances hazardous for aquatic life and soil. Protect from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking. Store away from oxidising substances and strong acids. Do not store with food, drinks, feed material, medicines. Storages should be protected from static electricity. First aid kit and water suitable for eye rinsing should be available. Keep away from products that are corrosive to metals (eg acids or pool chemicals).

Storage class	10 - Other combustible liquids
Storage temperature	min 10 °C, max 30 °C

The specific requirements or rules relating to the substance/mixture

Absorbent materials of organic origin (rags, sawdust, paper, dust and similar materials) soaked with varnish should be disposed of in a safe manner to prevent self-ignition.

7.3. Specific end use(s)

The substance has no hazardous properties, no safe dose or concentration limits are set, no quantitative risk assessment is required. The safe use of the product is incorporated into the information contained in the safety data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL

linseed oil, oxidezed					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	69.4 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	49 mg/m³	Chronic effects systemic		
Consumers	Dermal	41.7 mg/kg bw/day	Chronic effects systemic		

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linseed oil, oxidezed					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Inhalation	14.5 mg/m³	Chronic effects systemic		
Consumers	Oral	8.33 mg/kg bw/day	Chronic effects systemic		

PNEC

linseed oil, oxidezed			
Route of exposure	Value	Value determination	Source
Freshwater environment	0.01 mg/l		
Marine water	0.001 mg/l		
Soil (agricultural)	21.7 mg/kg of dry substance of soil		
Secondary poisoning	66.7 mg/kg of food		
Microorganisms in sewage treatment	1.55 mg/l		
Water (intermittent release)	0.1 mg/l		

8.2. Exposure controls

Ensure good ventilation of the workplace. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Eye protection is not necessary under normal handling. When working with the risk of being exposed to liquid, use protective goggles according EN 166.

Skin protection

When handling in long-term or repeatedly, use oil resistant protective gloves (EN 374-1:2003). Suitable material – nitrile rubber, natural rubber. If damaged, the gloves should be replaced immediately. The selection of suitable protective gloves does not only depend on their material, but also on other qualitative features. Furthermore, since the mixture can be used for various purposes, mixed with other substances, the suitability of gloves for all purposes cannot be predetermined and must be verified in particular use.
Wear only suitable and clean protective clothing. Wash contaminated clothing before reuse.

Respiratory protection

It is not needed.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	yellow
color intensity	transparent
Odour	characteristic

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Melting point/freezing point	-4 °C
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	163 °C
Auto-ignition temperature	420 °C
Decomposition temperature	>300 °C
pH	non-soluble (in water)
Kinematic viscosity	data not available
Viscosity	dynamic 70 - 100 mPa.s at 20 °C
Solubility in water	<0.001 g/l
Partition coefficient n-octanol/water (log value)	> 6 (20 °C)
Vapour pressure	< 0.01 hPa at 20 °C
Density and/or relative density	
Density	0.93 g/cm³ at 23 °C
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

10.2. Chemical stability

The product is stable under normal conditions. Decomposition occurs from the temperature:> 300 °C.

10.3. Possibility of hazardous reactions

Danger of explosion in the presence of oxidizing agents. If very dispersed in contact with air, there is a risk of ignition under certain circumstances.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

No toxicological data is available for the substance.

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Acute toxicity
Based on available data the classification criteria are not met.

linseed oil, oxidezed					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD_{50}	>4790 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD_{50}	>2000 mg/kg		Rat (Rattus norvegicus)	

Skin corrosion/irritation
No data available for the substance. Based on available data the classification criteria are not met.

Serious eye damage/irritation
No data available for the substance. Based on available data the classification criteria are not met.

Respiratory or skin sensitisation
No data available for the substance. Based on available data the classification criteria are not met.

Germ cell mutagenicity
No data available for the substance. Based on available data the classification criteria are not met.

Carcinogenicity
No data available for the substance. Based on available data the classification criteria are not met.

Reproductive toxicity
No data available for the substance. Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure
No data available for the substance. Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure
No data available for the substance. Based on available data the classification criteria are not met.

Aspiration hazard
No data available for the substance. Based on available data the classification criteria are not met.

11.2. Information on other hazards
The substance does not have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information
12.1. Toxicity
Based on available data the classification criteria are not met.

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Acute toxicity

linseed oil, oxidezed					
Parameter	Method	Value	Exposure time	Species	Environment
LC_{50}	OECD 203	479 mg/l	96 hours	Fish (Danio rerio)	
EC_{50}	OECD 202	>100 mg/l	48 hours	Invertebrates (Daphnia magna)	
EC_{50}	OECD 201	>100 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	
EC_{10}		>15.5 mg/l		Bacteria (Pseudomonas putida)	

12.2. Persistence and degradability

The mixture is biodegradable.

Biodegradability

linseed oil, oxidezed					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301B				Biodegradable

12.3. Bioaccumulative potential

not available

linseed oil, oxidezed					
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow	>6				20°C

12.4. Mobility in soil

The substance is not soluble in water, it floats on the surface.

linseed oil, oxidezed				
Parameter	Value	Environment	Temperature	Result
Log Koc	>4.96		20°C	Hydrolytically stable

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100.

12.7. Other adverse effects

Under normal use, no environmental hazards are known or expected. Avoid uncontrolled leakage of product into environmental compartments.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

13 08 99 wastes not otherwise specified *

Packaging waste type code

15 01 10 packaging containing residues of or contaminated by hazardous substances *

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. 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).

15.2. Chemical safety assessment

Not worked out.

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SECTION 16: Other information

Guidelines for safe handling used in the safety data sheet

P102	Keep out of reach of children.
P262	Do not get in eyes, on skin, or on clothing.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves.
P501	Dispose of contents/container to in accordance with local regulations by handing over to a person authorized to dispose of waste or a site designated by the town.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC_{10}	Concentration of a substance when it is affected 10% of the population
EC_{50}	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC_{50}	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD_{50}	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds

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vPvB Very Persistent and very Bioaccumulative

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

Commission Regulation (EU) 2020/878 of 18 June 2020. REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

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