

The safety data sheet complies with Commission Regulation (EU) 878/2020 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) .

LEPEX

Creation date	22nd October 2003	Version	15
Revision date	21st November 2022		

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

1.1. Product identifier

LEPEX

Substance / mixture

mixture

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

Mixture's intended use

Universal instant glue

The use descriptors

IS Use at industrial sites

PW Widespread use by professional workers

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1. Not specified. It is recommended to be used only for specified uses. Other uses may expose users to unforeseeable risks.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name

NOVATO

Address

Uralská 770/6, Praha, 160 00

Czech Republic

Identification number (CRN)

62910370

VAT Reg No

CZ62910370

Phone

+420 233 339 688

E-mail

petr.johanides@novato.cz

Web address

www.novato.cz

Competent person responsible for the safety data sheet

Name

ABITEC

E-mail

info@abitec.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 mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Skin Irrit. 2, H315

Eye Irrit. 2, H319

STOT SE 3, H335

Most serious adverse physico-chemical effects

Thermal decomposition at high temperatures can release dangerous gases. Avoid inhalation of thermal decomposition products.

Most serious adverse effects on human health and the environment

Instantly glues skin, eyes or any connected parts. The mixture is irritating to the eyes (redness, burning in the eyes, tearing, conjunctivitis) and skin (redness, burning, itching). Inhalation of increased vapor concentration leads to respiratory tract irritation (cough, difficulty breathing, severe chest pain). At

solidification releases heat. Avoid inhalation of vapors, skin contact and eye contact. The mixture is not classified as harmful to the environment. Do not allow to enter drains, soil, ground or surface water. Follow the instructions for use to avoid risks to humans and the environment. The full text of the classifications and H-phrases is displayed in section 16. 16 of this safety data sheet

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2.2. Label elements

Hazard pictogram



Signal word

Warning

Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary statements

P261	Avoid breathing vapours.
P280	Wear protective gloves/protective clothing/eye protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container to in accordance with local regulations by handing over to a person authorized to dispose of waste.

Supplemental information

EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

2.3. Other hazards

Neither the mixture nor its components meet the criteria for persistent, bioaccumulative and toxic or highly persistent and highly bioaccumulative substances in accordance with Annex XIII, nor have they been included in the list drawn up in accordance with Article 59, paragraph 1, due to the content of endocrine disruptors , nor has it been determined as a substance with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 607-236-00-9 CAS: 7085-85-0 EC: 230-391-5	ethyl 2-cyanoacrylate	90-95	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Specific concentration limit: STOT SE 3, H335: C ≥ 10 % Skin Irrit. 2, H315: C ≥ 10 % Eye Irrit. 2, H319: C ≥ 10 %	1

Notes

1 A substance for which exposure limits are set.

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

In all cases of doubt, or when feeling unwell, seek medical advice and show this safety data sheet to the physician. In case of life-threatening conditions, perform resuscitation. Place the unconscious person in a stable position and do not give anything by mouth. Provide warmth and peace, prevent cooling. Do not induce vomiting. Avoid inhalation of vomit in case of spontaneous vomiting.

If inhaled

If inhalation occurs, interrupt exposure, rinse mouth with water, inhale fresh air. Seek medical attention if respiratory irritation or difficulty breathing occurs. If necessary (respiratory arrest or irregular breathing) perform rescue breathing.

If on skin

In case of contamination, remove contaminated clothing. Wipe off the mixture, wash thoroughly with soap and water, rinse well. Do not use solvents or thinners. Seek medical attention if irritation develops.

If in eyes

If the affected person has contact lenses, remove them immediately. Immediately flush eyes with plenty of clean, lukewarm water, especially under the eyelids. Rinse for at least 15 minutes, seek medical attention. If the eyelids stick together, never forcibly separate them. Wash them with lukewarm water and cover with a damp swab, wait until the glue dissolves (approx. 1-3 days). Get medical attention.

If swallowed

Do not induce vomiting, rinse mouth with water. Ingestion is unlikely, glue polymerizes in the mouth. When sticking the lips or parts in the oral cavity, merge profusely, do not separate by force. No danger is expected if the polymerized adhesive is ingested.

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

If inhaled

Inhalation of elevated concentrations of vapors leads to respiratory tract irritation (cough, difficulty breathing, severe chest pain).

If on skin

The mixture is irritating to the skin (redness, burning, itching). It releases heat during solidification, in exceptional cases and with a large amount of the mixture, skin burns may occur.

If in eyes

Instantly glues skin, eyes or any connected parts. The mixture is irritating to the eyes (redness, burning in the eyes, tearing, conjunctivitis).

If swallowed

Ingestion of polymerized glue is not expected to be dangerous.

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

Immediate medical attention is not required during normal use of the mixture. It is required only in case of respiratory distress, sticking of parts of the body or if the symptoms reach a certain degree, according to the data in paragraphs 4.1 to 4.2; is symptomatic.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Multipurpose powders, CO₂, foam, water mist, sand.

Unsuitable extinguishing media

Full stream of water.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition at high temperatures or fire may produce hazardous decomposition products. Do not inhale thermal decomposition products.

5.3. Advice for firefighters

Use protective equipment (self-contained breathing apparatus and fire-proof chemical suit). Remove packaging from the reach of fire if you can do so without risk. Cover the product near the fire with spray water or cover with foam. Fire residues and water after treatment should be disposed of as hazardous waste.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent unauthorized entry, secure leak area. Ensure adequate ventilation of the spill area, avoid inhalation of vapors. Remove heat sources and sources of ignition. Do not handle open flames at the point of leakage. Avoid contact with skin and eyes - use personal protective equipment.

6.2. Environmental precautions

Ensure escape area, do not allow to enter into sewers, soil, surface and ground water. In the event of a large leak, monitor NPK concentrations or concentrations. TLV and inform the appropriate governmental authorities and the flow or sewerage manager.

6.3. Methods and material for containment and cleaning up

Prevent leakage. In case of leakage, do not wipe off the escaping mixture, pour water over it, wait until the mixture solidifies, then clean with a scraper. Store the polymerized adhesive in a waste container, label and dispose of according to dept. 13.

6.4. Reference to other sections

For recommended personal protective equipment, see Section 8. Dispose of unused product according to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure adequate ventilation of the work area, avoid inhalation of mixture vapors. Protect eyes and skin, use personal protective equipment according to dept. 8. Avoid contact with possible sources of ignition, do not expose to heat, do not heat. Read the instructions for use before use. Observe the applicable safety legislation and protective health. Follow the principles of hygiene when working with chemicals, do not eat, drink or smoke while working. Wash hands with warm soap and water before breaks, meals and after work.

7.2. Conditions for safe storage, including any incompatibilities

Store in original packaging in a dry, cool, well-ventilated place protected from the weather. Store away from food, drink and animal feeding stuffs. Store away from heat sources. Store away from oxidizing agents, acids and bases. Follow the instructions on the label. At storage temperatures above 20 ° C, the shelf life may be reduced.

Content	Packaging type	Material of package
20 g	tube	HDPE
50 g	tube	HDPE

Storage temperature max. 20 ° C

7.3. Specific end use(s)

Bonding

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Substance name (component)	Type	Value	Note
ethyl 2-cyanoacrylate (CAS: 7085-85-0)	PEL	1 mg/m ³	irritating to mucous membranes (eyes, respiratory system) and skin
	PEL	0,19 ppm	
	NPK-P	2 mg/m ³	
	NPK-P	0,38 ppm	

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8.2. Exposure controls

Ensure sufficient ventilation, or extraction of the working space. Avoid contact with skin and eyes. Observe hygienic measures for working with chemicals. Do not eat, drink or smoke while working. Wash your hands with lukewarm water and soap before breaks, meals and after work. Adapt personal protective equipment to the nature of the work.

Eye/face protection

Safety glasses if there is a risk of eye contact.

Skin protection

Protective work clothing. Take off contaminated clothing and wash before reuse. Protective gloves (material e.g. polyethylene, polypropylene, butyl rubber, penetration time > 120 min.; Unsuitable material: leather, cotton, textile). Observe the recommended penetration time of the glove material. When choosing, follow the manufacturer's recommendations, the material must be impermeable and resistant to the components of the mixture. Replace damaged gloves.

Respiratory protection

Not necessary, avoid inhalation of vapors. In case of increased inhalation exposure, use a mask with a filter, type A, for long-term exposure self-contained breathing apparatus.

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	colourless
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	45 - 56 °C
Flammability	Flammable III. hazard class
Lower and upper explosion limit	data not available
Flash point	>87 °C
Auto-ignition temperature	not applicable
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	data not available
Solubility in water	insoluble
Partition coefficient n-octanol/water (log value)	log Pow 1.42
Vapour pressure	data not available
Density and/or relative density	data not available
Relative vapour density	data not available
Particle characteristics	data not available
Soluble in toluene. Density: 1050 kg /m ³ /20 ° CVOC content: 0%	Explosive properties: Not explosive. Solvent vapors can form an explosive mixture when mixed with air. Oxidizing properties: The mixture is not classified as oxidizing.

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture polymerizes in contact with water, steam, moisture. The reaction is exothermic.

10.2. Chemical stability

The mixture is stable under normal environmental conditions, storage and handling.

10.3. Possibility of hazardous reactions

The mixture polymerizes in contact with water, steam, moisture. The reaction is exothermic. Furthermore, the polymer in contact with bases, acids, peroxides, alcohols, etc.

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10.4. Conditions to avoid

Heating, direct sunlight, contact with open flame.

10.5. Incompatible materials

Oxidizing agents, strong acids and bases, alcohols, peroxides.

10.6. Hazardous decomposition products

Under normal conditions, the mixture does not decompose. Thermal decomposition at high temperatures or incomplete combustion can release hazardous decomposition products (COx, NOx, hydrocarbons, aldehydes, smoke, soot).

SECTION 11: Toxicological information

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

The mixture meets the criteria for classification according to EC Regulation No. 1272/2008. The mixture is classified as dangerous in the sense of EC Regulation No. 1272/2008, as amended.

Acute toxicity

The mixture is not classified as acutely toxic by any way of exposure.

ethyl 2-cyanoacrylate

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	>5000 mg/kg		Rat	
Dermal	LD ₅₀	>2000 mg/kg		Rabbit	

Skin corrosion/irritation

The mixture is classified as irritating to skin, category 2. It irritates the skin.

Serious eye damage/irritation

Mixture is classified as eye irritant, category 2. Causes serious eye irritation.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

The mixture is classified as toxic to specific target organs after a single exposure, category 3, may cause respiratory irritation.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

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11.2. Information on other hazards

It does not contain substances causing disruption of the endocrine system. Instantly bonds skin, eyes or any joined parts. The mixture irritates the eyes (redness, burning in the eyes, tearing, conjunctivitis) and the skin (redness, burning, itching). When it solidifies, it releases heat, in exceptional cases and with a larger amount of the mixture, skin burns may occur. Inhalation of an increased concentration of vapors leads to irritation of the respiratory tract (cough, breathing difficulties, heaviness in the chest).

SECTION 12: Ecological information

12.1. Toxicity

The ecotoxic effects of the mixture were not assessed. Observe the usual environmental precautions.

12.2. Persistence and degradability

The mixture is not biodegradable.

12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

12.4. Mobility in soil

It's not mobile.

12.5. Results of PBT and vPvB assessment

The mixture does not contain substances from the PBT and vPvB groups according to Annex XIII of the REACH Regulation, as amended.

12.6. Endocrine disrupting properties

Substances with these properties in accordance with the criteria set out in Commission Regulation (EU) 2017/2100 or (EU) 2018/605 are not included.

12.7. Other adverse effects

The mixture is not classified as harmful to the environment. Pay attention usual environmental protection measures. Avoid leakage into sewers and groundwater or surface water.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of as hazardous waste. Dispose of at an authorized person or to a hazardous waste collection yard. When disposing

Mixture and packaging residues should be disposed of in accordance with local waste disposal regulations. Dispose of the packaging as hazardous waste.

Waste management legislation

Act No. 477/2001 Coll., On packaging, as amended. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended.

Waste type code

08 04 09* waste adhesives and sealants containing organic solvents or other hazardous substances

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

No.

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14.6. Special precautions for user

Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Mixture is not classified as dangerous for transport (ADR / RID, IMDG, ICAO / IATA). Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

SECTION 15: Regulatory information

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

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. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). Commission Delegated Regulation (EU) 2021/849 of 11 March 2021 amending, for the purposes of adapting to technical and scientific progress, Part 3 of Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as ammended. Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals.

15.2. Chemical safety assessment

No chemical hazard assessment was performed for this mixture.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Guidelines for safe handling used in the safety data sheet

P261	Avoid breathing vapours.
P280	Wear protective gloves/protective clothing/eye protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container to in accordance with local regulations by handing over to a person authorized to dispose of waste.

A list of additional standard phrases used in the safety data sheet

EUH202	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
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Other important information about human health protection

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the supplier can not control the specific conditions of use of the mixture, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

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

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EC	Identification code for each substance listed in EINECS
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
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log K _{ow}	Octanol-water partition coefficient
NPK	Maximum admissible concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible Exposure Limit
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
vPvB	Very Persistent and very Bioaccumulative
Eye Irrit.	Eye irritation
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure

Training guidelines

According to § 103 and § 104 of Act No. 262/2006 Coll., The Labor Code, as amended. 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

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the specific conditions of use of the substance are beyond the control of the supplier, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

Information about data sources used to compile the Safety Data Sheet

Manufacturer data and toxicological databases.

The changes (which information has been added, deleted or modified)

Adaptation of BL updated Annex II of the REACH Regulation as amended by Commission Regulation (EU) 2020/878.

Statement

The safety data sheet contains the data needed to ensure safety and health at work and environmental protection. These data correspond to the current state of knowledge and experience and are in accordance with applicable legal regulations. They can not be considered as a guarantee of the suitability and usability of the product for a specific application. The user is responsible for the treatment under existing laws and regulations.