

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31, Annex II
according to Regulation (EU) No 2020/878

Printing date: 29.01.2024
Revision date: 29.01.2024
Version number: 1

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

1.1 Product identifier

Trade name: Glue tube FORCE

UFI: MH0E-5D5D-U30P-Y946

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

No use descriptors (LCS, SU, PC, PROC, ERC, AC, TF categories) of the substance or mixture are available.

Application of the substance / the mixture: Adhesive for use with Force patches to seal a soul defect.

Uses advised against: Any other than the above mentioned.

1.3 Details of the supplier of the safety data sheet

Supplier:

KCK Cyklosporť-Mode s.r.o.

Bartošova 348, 765 02 Otrokovice - Kvítkovice, Czech Republic

Company ID 185 59 751 / VAT: CZ18559751

Phones: +420 724 047 411, +420 724 011 433

E-mail: info@kckcyklosporť.cz / Website: www.kckcyklosporť.cz

Further information obtainable from:

Ing. Karel Královec, Studio2K, Czech Republic

Phone: +420 777 145 808, Email: bl@studio2k.cz, Website: www.bezpecnostni-listy.eu

1.4 Emergency telephone number

European Chemicals Agency. National helpdesks contact details - <https://echa.europa.eu/support/helpdesks>.

Links to Poison Centers and Clinical Toxicologists all over the World: <https://www.eapcct.org/index.php?page=links>.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is classified as dangerous in the terms of the Regulation (EC) No 1272/2008 (CLP).

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Additional information:

For the product in the packaging < 125 ml, it is possible to use Art. 29 - Exceptions from the requirements on packaging marking, par. 2. From the marking elements required in Article 17, it is possible to omit the hazard statements and precautionary statements, because the product's classification meets the criteria determined in Article 1.5.2.1.1. of Appendix I of the CLP ordinance.

For the product in the packaging < 125 ml, it is possible to use Art. 29 - Exceptions from the requirements on packaging marking, par. 1. The marking elements may be provided in some of these manners: in folding labels; or on suspended tags; or on the external packaging. On the label of every internal packaging, at least the hazard pictograms, the product identifier (business name or designation and the list of hazardous substances pursuant to criteria of Art. 18) and the name and telephone number of the product's supplier must be stated.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: The product is classified and labelled according to the CLP regulation.

Hazard pictograms:



Signal word: Danger

Hazard-determining components of labelling:

methylcyclohexane

Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing vapors.

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- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents/container to an approved waste disposal facility.

Additional information: Void.

Labelling of packages where the contents do not exceed 125 ml

Hazard pictograms:



Signal word: Danger

Hazard-determining components of labelling:

methylcyclohexane

Hazard statements:

H336 May cause drowsiness or dizziness.

Precautionary statements:

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P261 Avoid breathing vapours.
- P271 Use only outdoors or in a well-ventilated area.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents/container to an approved waste disposal facility.

Hazard description:

In case the product is supplied to the general public and meets the requirements pursuant to Section 3.2.1 of Appendix II of the CLP Regulation, the product must be fitted with a tactile warning of danger for the blind pursuant to its Article No 35, in accordance with Section 3.2.2 of Appendix II of the CLP Regulation.

The technical specifications for tactile warning devices shall conform to EN ISO standard 11683 as amended 'Packaging - Tactile warnings of danger-Requirements'.

Classification system:

The product is intended for consumer and professional use, and this corresponds to its labeling on the packaging.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT:

The mixture does not contain substances classified at the date of preparation of the safety data sheet as PBT according to Regulation (EC) No 1907/2006 (REACH) in a concentration equal to or greater than 0.1 % by weight.

vPvB:

The mixture does not contain substances classified at the date of preparation of the safety data sheet as vPvB according to Regulation (EC) No 1907/2006 (REACH) in a concentration equal to or greater than 0.1 % by weight.





Determination of endocrine-disrupting properties

The mixture does not contain substances that have been identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 108-87-2	methylcyclohexane	85%
EINECS: 203-624-3	 Flam. Liq. 2, H225	
INDEX: 601-018-00-7	 Asp. Tox. 1, H304	
REACH: 01-2119556887-18-XXXX	 Aquatic Chronic 2, H411	
	 Skin Irrit. 2, H315; STOT SE 3, H336	

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Non dangerous components:		
CAS: 9006-04-6	natural rubber latex	15%
EINECS: 232-689-0		

SVHC:

The product does not contain substances classified as of the date of preparation of the safety data sheet as PBT or vPvB and stated in the Candidate list of substances producing very high concerns for Appendix XIV of Regulation (EC) No 1907/2006 (REACH).

Regulation (EC) No 648/2004 on detergents / Labelling for contents: Not apply.

Additional information:

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3 of the Regulation (EC) No 1272/2008 (CLP Regulation) this means that all notes that may be given here for the named classification have been taken into account.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of doubt, appearance of symptoms or upon any problems, seek medical help and present this safety data sheet or the product label.

Never pour anything into the mouth of an unconscious person!

Personal protection for the First Aider.

Immediately remove any clothing soiled by the product.

After inhalation:

Remove person from danger area.

Take care of fresh air supply and seek medical assistance upon subsequent or lasting problems.

Upon irregular breathing or respiratory arrest, perform artificial respiration or secure breathing support.

If the person is unconscious, place in a stable side position and consult a physician.

After skin contact:

Wash the affected skin with water and soap and rinse thoroughly. Upon skin irritation or other problems, consult further procedure with an expert physician.

After eye contact:

Open the eyelids, possibly remove the contact lenses, and thoroughly rinse the affected eyes with clean flowing water for about 15 minutes. Upon persisting eye irritation or other troubles, consult further procedure with an ophthalmologist.

After swallowing:

Thoroughly rinse the mouth with water, have the affected person drink 1 to 2 glasses of water and do not induce vomiting. Seek medical assistance immediately.

Information for doctor: Symptomatic treatment.

4.2 Most important symptoms and effects, both acute and delayed

Possible toxicological effects resulting from the classification are stated in Section 11.

Upon inhalation:

Headache.

Drowsiness and dizziness.

After skin contact:

Skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed

In case of ingestion seek medical help immediately.

For special medical advice, contact the Toxicology Information Centre.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Carbon dioxide (CO₂), extinguishing foam, extinguishing powder, water spray, water mist.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2 Special hazards arising from the substance or mixture

Formation of irritating, toxic and harmful fumes of burning is possible in case of fire.

Carbon oxides.

Nitrogen oxides.

Toxic gases.

Inhalation of hazardous decomposition products of burning may result in damaged health.

5.3 Advice for firefighters

Protective equipment:

Do not inhale explosion gases or combustion gases.

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According to size of fire.

Corresponding protective insulation breathing apparatus and overpressure counter-chemical protective clothing.

Additional information:

Cool with water the products in enclosed packaging, which is near the fire. If possible, remove the products in un-damaged packaging from the danger area. Store the contaminated extinguishing water separately and do not let it into the sewerage. Remove the extinguishing water or used extinguishing materials together with the remnants of the fire according to the corresponding regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Respect the instructions set forth in Sections 7 and 8 of the safety data sheet.

For non-emergency personnel:

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Leave the danger zone if possible, use existing emergency plans if necessary.

Remove possible causes of ignition and affected area well ventilate.

Use personal protective equipment.

Avoid contact with eyes and skin.

Prevent inhalation of vapours/aerosols.

Prevent the possibility of slipping on leaked product.

Prevent the entry of unauthorised persons, ban smoking.

For emergency responders: See section 8 for suitable protective equipment and material specification.**6.2 Environmental precautions**

Prevent increasing of the leaked quantity. Do not let the product enter the sewerage, surface and ground water and soil. Upon a more extensive leak of the product into the environment, proceed according to local regulations and contact the respective departments of local authorities.

The product is hazardous for the environment.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and place into suitable and marked vessels.

Possibly wipe the leaked product with a paper towel and place it into a waste vessel.

Protect health against exposure of contained substances from the atmosphere, see the limit values of exposure, which are stated in Section 8.

Thoroughly wash the affected place and the tools used with a suitable detergent, do not use water or water cleaners.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

In addition to the information provided in this section, important information is also provided in Sections 6 and 8.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Possibly perform measures for protection against electrostatic discharge.

Handling:

Before use, it is necessary to familiarize oneself with the contents of Sections 2, 6, 8, and 11 of the safety data sheet.

Ensure good ventilation.

Use personal protective equipment.

Avoid contact with eyes and skin.

Avoid inhalation of vapours and aerosols.

Use working methods according to operating instructions.

Observe directions on label and instructions for use.

General hygiene measures for the handling of chemicals are applicable.

Before a pause and after ending the work, wash the hands and take off the polluted working clothes. Keep these clothes separately.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

7.2 Conditions for safe storage, including any incompatibilities**Storage****Requirements to be met by storerooms and receptacles:**

Store product well closed and only in original packing.

Opened packaging must be closed carefully again.

Suitable material: aluminum.

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Information about storage in one common storage facility:

Keep away from food, drink and animal feedingstuffs.
Do not store together with oxidizing agents, strong acids and bases.

Further information about storage conditions:

Store in a well ventilated place.
Store in a dry and cool place.
Protect from direct sunlight and warming.
Adhere to regulations and directives for flammable liquid storage.
Keep out of access to unauthorised individuals.

7.3 Specific end use(s) Specific use is stated in the manual for use on the product packaging label or in the product documentation.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Regulatory information:

IOELV: COMMISSION DIRECTIVE (EU) 2019/1831 of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
BOELV: DIRECTIVE (EU) 2022/431 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2022 amending Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40.

DNELs:		
108-87-2 methylcyclohexane		
Oral	DNEL - Long term exposure, systemic effects	0.4 mg/kg/d (consumers)
Dermal	DNEL - Long term exposure, systemic effects	0.8 mg/kg/d (consumers)
Inhalative		1.7 mg/kg/d (workers)
	DNEL - Long term exposure, systemic effects	16 mg/m3 (consumers)
		64.3 mg/m3 (workers)
	DNEL - Short term exposure, systemic effects	1,016 mg/m3 (consumers)
		1,354.6 mg/m3 (workers)

PNECs:	
108-87-2 methylcyclohexane	
PNEC - Freshwater	0.00326 mg/l
PNEC - Marine water	0.000326 mg/l
PNEC - Intermittent release	0.0326 mg/l
PNEC - Sewage treatment plant	0.0276 mg/l
PNEC - Sediment, freshwater	0.088 mg/kg
PNEC - Sediment, marine water	0.0088 mg/kg
PNEC - Soil	0.0237 mg/kg

Ingredients with biological limit values:

The product does not contain any relevant quantities of materials with biological limit values.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Appropriate engineering controls:

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under WEL or IOEL values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands and remove contaminated clothing before breaks and at the end of work. Keep this garment separately.
Keep away from foodstuffs, beverages and feed.
Do not eat, drink, smoke or sniff while working.
Do not inhale gases/fumes/aerosols.
Avoid contact with the eyes and skin.

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Eye/face protection:

Not required during regular use.



In case of danger of contact with eyes, use tightly adhering protective goggles (EN 166).

Body protection:

Not required during regular use.



As needed, use the working protective clothes.

Hand protection



Protective gloves (EN ISO 374-1).

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Preventive skin protection by use of skin-protecting agents is recommended.

Material of gloves:

Not determined.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

Not determined.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 16523-1 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50 % of the penetration time, is recommended.

Respiratory protection:

Unnecessary during regular use.



In case of insufficient ventilation and exceeding permitted exposure limits, use a suitable half-mask (EN 149+A1) with a filter (EN 14387+A1).

Observe wearing time limitations for respiratory protection equipment.

Recommended filter device for short term use: Not determined.

Thermal hazards: Not applicable.

Environmental exposure controls: Adhere to usual measures for environmental protection, see Section 6.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state:	Fluid.
Colour:	Colourless.
Odour:	Characteristic.
Melting point/freezing point:	Not determined.
Boiling point or initial boiling point and boiling range:	100 °C
Flammability:	The mixture is combustible.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	-4 °C
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH:	Not determined.
Viscosity	
Kinematic viscosity at 40 °C:	458 mm ² /s

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Dynamic viscosity:	Not determined.
Solubility	
water:	Not determined.
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density:	Not determined.
Relative density:	Not determined.
Vapour density:	Not determined.
Relative gas density:	Not determined.
9.2 Other information	
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Solvent content	
VOC (2010/75/EC):	Not determined.
Oxidising properties:	Not determined.
Evaporation rate:	Not determined.
Relative evaporation rate:	Not determined.
Information with regard to physical hazard classes	
Explosives:	Void.
Flammable gases:	Void.
Aerosols:	Void.
Oxidising gases:	Void.
Gases under pressure:	Void.
Flammable liquids:	Highly flammable liquid and vapour.
Flammable solids:	Void.
Self-reactive substances and mixtures:	Void.
Pyrophoric liquids:	Void.
Pyrophoric solids:	Void.
Self-heating substances and mixtures:	Void.
Substances and mixtures, which emit flammable gases in contact with water:	Void.
Oxidising liquids:	Void.
Oxidising solids:	Void.
Organic peroxides:	Void.
Corrosive to metals:	Void.
Desensitised explosives:	Void.
Additional information:	No relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity Upon adhering to the determined regulations of storage and use, no reactivity is expected (see Section 7).

10.2 Chemical stability Upon adhering to the determined regulations of storage and use, the product is stable (see Section 7).

10.3 Possibility of hazardous reactions

Reacts with strong acids.

Reacts with alkali (lyes).

Reacts with oxidising agents.

10.4 Conditions to avoid

Protect against heating, open flames, and ignition sources.

Prevent contact with incompatible materials.

10.5 Incompatible materials

Strong acids, bases, oxidizing agents.

Oxidizing agents.

10.6 Hazardous decomposition products

No decomposition when used as directed.

At high temperatures, hazardous decomposition products may be created (see Subsection 5.2).

SECTION 11: Toxicological information

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

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

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Relevant toxicological values for classification:		
108-87-2 methylcyclohexane		
Oral	LD50	2,250 mg/kg (mouse) (OECD 401 - Acute Oral Toxicity)
Dermal	LD50	> 2,300 mg/kg (rabbit) (OECD 402 - Acute Dermal Toxicity)

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

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.

STOT-single exposure: May cause drowsiness or dizziness.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

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

Subacute to chronic toxicity: Based on available data, the classification criteria are not met.

Additional toxicological information: No relevant information is available.

Acute effects:

May cause drowsiness or dizziness - STOT SE 3.

Skin irritation - Skin Irrit. category 2.

Repeated dose toxicity: Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): No CMR effects are known.

11.2 Information on other hazards

Endocrine disrupting properties:
None of the ingredients is listed.

Other information: No further information is available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Hazardous to the aquatic environment - Aquatic Chronic 2.

12.2 Persistence and degradability	
108-87-2 methylcyclohexane	
Biodegradability in water	0 %/28 d (OECD 301 D - Closed Bottle Test) látko není snadno biologicky odbouratelná

Behaviour in waste water treatment plants: No relevant information is available.

12.3 Bioaccumulative potential	
108-87-2 methylcyclohexane	
log Pow	3.88 bioakumulace je možná

Bioconcentration factor (BCF):	
108-87-2 methylcyclohexane	
BCF	95 - 321 (56 dní)

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

The product does not contain substances classified as PBT or vPvB and included in the list of substances subject to authorization (Annex XIV of EP and R Regulation No 1907/2006, as amended).

PBT: No relevant information is available.

vPvB: No relevant information is available.

12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Remark: Toxic for fish.

Additional ecological information

AOX-indication: No relevant information is available.

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General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation:

Must not be disposed together with household waste. Do not allow product to reach sewage system.
Hand over to hazardous waste disposers.
Remove product residues according to the corresponding local directives in the adequate equipment as hazardous waste.
E.g. put away at suitable waste dumps or remove in suitable waste incineration plants.
Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of.

Waste disposal key:

The catalogue numbers with the asterisk (*) mark hazardous waste (N), numbers without the asterisk mark other waste (O).
The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC, 2014/955/EU).

European waste catalogue and hazardous properties of waste:	
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
15 01 10*	packaging containing residues of or contaminated by hazardous substances
15 01 04	metallic packaging
HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP14	Ecotoxic

Uncleaned packaging



Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.
Empty container completely.
Non contaminated packagings may be recycled.
Dispose of packaging that cannot be cleaned in the same manner as the mixture.
Handover the emptied packaging to the authorised organisation, which has a licence for their disposal.

Regulations:

Commission Decision No 2014/955/EU of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council.
Commission Regulation (EU) No 1357/2014, replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives.
Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, as amended.

SECTION 14: Transport information

14.1 UN number or ID number ADR, IMDG, IATA	UN1133
14.2 UN proper shipping name ADR IMDG IATA	1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS, special provision 640C ADHESIVES, MARINE POLLUTANT ADHESIVES
14.3 Transport hazard class(es) ADR	  Class: 3 (F1) Flammable liquids.

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Label:	3
IMDG	
 	
Class:	3 Flammable liquids.
Label	3
IATA	
	
Class:	3 Flammable liquids.
Label:	3
14.4 Packing group ADR, IMDG, IATA	II
14.5 Environmental hazards	Product contains environmentally hazardous substances: methylcyclohexane
Marine pollutant:	Yes Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user	Persons employed in transporting dangerous goods must be trained. All persons involved in transporting must observe safety regulations. Precautions must be taken to prevent damage. Warning: Flammable liquids.
Hazard identification number (Kemler code):	33
EMS Number:	F-E,S-D
Stowage Category:	B
14.7 Maritime transport in bulk according to IMO instruments	Freighted as packaged goods rather than in bulk, therefore not applicable. Minimum amount regulations have not been taken into account. Comply with special provisions. Not applicable.
Transport/Additional information:	Danger code and packing code on request.
ADR	
Limited quantities (LQ):	1L
Excepted quantities (EQ):	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category:	2
Tunnel restriction code:	D/E
IMDG	
Limited quantities (LQ):	1L
Excepted quantities (EQ):	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1133 ADHESIVES, 3, II, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

Directive 2004/42/EC of the European Parliament and the Council: Does not apply.

Named dangerous substances - ANNEX I: None of the ingredients is listed.

Seveso category:

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

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Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31, Annex II
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Qualifying quantity (tonnes) for the application of lower-tier requirements: 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements: 500 t

REGULATION (EC) No 1907/2006 ANNEX XVII: Conditions of restriction for the group No 3.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II:

None of the ingredients is listed.

REGULATION (EU) 2019/1148:

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors:

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

None of the ingredients is listed.

Legal regulations of the European Community:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a 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 of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006, 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).

Directive 2012/18/EU of the European Parliament and of the Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC, as amended.

COMMISSION REGULATION (EU) amending for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures: 2016/918 (8. ATP from 1.2.2018), 2016/1179 (9. ATP from 1.3.2018), 2017/776 (10. ATP from 1.12.2018), 2018/669 (11. ATP from 1.12.2019), 2019/521 (12. ATP from 17.10.2020), 2018/1480 (13. ATP from 1.5.2020).

COMMISSION DELEGATED REGULATION (EU) amending for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures:

2020/217 (14. ATP from 1.10.2021), 2020/1182 (15. ATP from 1.3.2022), 2021/643 (16. ATP from 10.5.2021), 2021/849 (17. ATP from 17.12.2022), 2022/692 (18. ATP from 1.12.2023).

Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR), applicable as from 1 January 2023.

15.2 Chemical safety assessment A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Warning:

The safety data sheet contains data needed for securing safety and health protection during work and environmental protection. The stated data correspond to the current state of knowledge and experience and is in accordance with valid legal regulations. It cannot be deemed as a guarantee of the properties, suitability, and usefulness of the product for specific application and therefore no contractual legal relationships are hereby created.

The safety data sheet is the property of the physical or legal entity stated in Section 1 and is protected by copy-right. All copying, distribution or sales without the consent of the owner is forbidden.

Relevant phrases:

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Training hints:

Pursuant to article No 35 of the European Parliament and Council Regulation (ES) No 1907/2006, the employer must allow employees or their representatives access to information from the safety data sheet of the substance or preparation, which the employees use or to the effects of which they may be exposed during their work.

Physical entities performed individual activities within the scope of handling of this hazardous product are trained and regularly, at least once a year, retrained.

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Safety data sheet

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Product information sources: safety data sheet, product or technical information, safety instructions, and other ex-pert documents for the product, issued by the supplier.

Recommended restriction of use:

The product is to be used only for the purpose, for which it is designed. It is up to the user's responsibility to adhere to the product usage conditions and to respect the safety instructions for health and environmental protection.

Further information: This product must be stored, sold, and used in accordance with valid hygienic regulations.

Classification according to Regulation (EC) No 1272/2008:	
Flammable liquids	On basis of test data
Skin corrosion/irritation Specific target organ toxicity (single exposure) Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	Calculation method

Department issuing SDS:

Ing. Karel Královec, Studio2K, Czech Republic

Phone: +420 777 145 808, Email: info@studio2k.cz, Website: www.studio2k.cz / www.bezpecnostni-listy.eu

First issue of SDS: 29.01.2024**Internal code formula:** 1180.003**Documents used to prepare SDS:**

The original documents provided by the supplier or manufacturer related to the product (mixture), eventually to individual substances contained.

Abbreviations and acronyms:

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Skin Irrit. 2: Skin corrosion/irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Information on data sources used in compiling the safety data sheet:

The safety data sheet was prepared in accordance with the European Parliament and Council Regulation (EC) No 1272/2008 (CLP) and according to the requirements of the European Parliament and Council Regulation (EC) No 1907/2006 about the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency - head IV, article 31, appendix II (instructions for safety data sheet compiling), as amended by the Commission Regulation (EU) No 2020/878 of 18 June 2020.

The missing ecotoxicology and toxicology data was obtained from the ESIS (European chemical Substances Information System), specifically from the IUCLID (International Uniform Chemical Information Database). As needed, data from further available chemical databases was used.

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