



**KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS
- Other means of identification:**
- UFI:** 9CWN-T0EN-8209-9UDM
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- Relevant uses: Adhesive for rear view mirrors.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
- BOLL Wojciech Dalewski Spółka Jawna
ul. Chemiczna 3
65-713 Zielona Góra - Polska
Phone: 68 451 99 99 - Fax: 68 451 99 00
huszcza@boll.pl
<https://www.boll.pl>
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION **

- 2.1 Classification of the substance or mixture:**
- CLP Regulation (EC) No 1272/2008:**
- Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
- Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317
- 2.2 Label elements:**
- CLP Regulation (EC) No 1272/2008:**
- Labelling of packages where the contents do not exceed 125 ml:
- Danger**
-  
- Hazard statements:**
- Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
- Precautionary statements:**
- P261: Avoid breathing vapours
P273: Avoid release to the environment.
P280: Wear protective gloves/eye protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a poison center/doctor.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
- Substances that contribute to the classification**
- Methacrylic acid, monoester with propane-1,2-diol; 2-Propenoic acid, homopolymer; Neopentyl glycol propoxylate diacrylate; tert-butyl hydroperoxide
- UFI:** 9CWN-T0EN-8209-9UDM
- 2.3 Other hazards:**

** Changes with regards to the previous version

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Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS**SECTION 2: HAZARDS IDENTIFICATION ** (continued)**

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

** Changes with regards to the previous version

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS ****3.1 Substance:**

Non-applicable

3.2 Mixture:**Chemical description:** a mixture of organic and auxiliary substances**Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 41637-38-1 EC: 609-946-4 Index: Non-applicable REACH: 01-2119980659-17-XXXX	Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 4: H413	15 - <30 %
CAS: 27813-02-1 EC: 248-666-3 Index: Non-applicable REACH: 01-2119490226-37-XXXX	Methacrylic acid, monoester with propane-1,2-diol⁽¹⁾ Self-classified Regulation 1272/2008 Eye Irrit. 2: H319; Skin Sens. 1: H317 - Warning	15 - <30 %
CAS: 9003-01-4 EC: 618-347-7 Index: Non-applicable REACH: 01-2120754771-50-XXXX	2-Propenoic acid, homopolymer⁽¹⁾ Self-classified Regulation 1272/2008 Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Eye Dam. 1: H318; STOT SE 3: H335 - Danger	3 - <8 %
CAS: 7534-94-3 EC: 231-403-1 Index: Non-applicable REACH: Non-applicable	Metakrylan ekso-1,7,7-trimetylobicyklo[2.2.1] hept-2-yli [metakrylan izobornylu]⁽¹⁾ ATP CLP00 Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning	3 - <8 %
CAS: 84170-74-1 EC: 617-546-6 Index: Non-applicable REACH: 01-2119970213-43-XXXX	Neopentyl glycol propoxylate diacrylate⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	1 - <3 %
CAS: 75-91-2 EC: 200-915-7 Index: 617-023-00-2 REACH: 01-2119446670-40-XXXX	tert-butyl hydroperoxide⁽¹⁾ Self-classified Regulation 1272/2008 Acute Tox. 2: H330; Acute Tox. 3: H311; Acute Tox. 4: H302; Aquatic Chronic 2: H411; Carc. 2: H351; Eye Dam. 1: H318; Flam. Liq. 3: H226; Muta. 2: H341; Org. Perox. F: H242; Skin Corr. 1C: H314; Skin Sens. 1: H317 - Danger	0,3 - <1 %
CAS: 114-83-0 EC: 204-055-3 Index: Non-applicable REACH: Non-applicable	1-Acetylo-2-fenylohydrazyna⁽¹⁾ Self-classified Regulation 1272/2008 Acute Tox. 3: H301; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H335 - Danger	0,1 - <0,3 %

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
Metakrylan ekso-1,7,7-trimetylobicyklo[2.2.1] hept-2-yli [metakrylan izobornylu] CAS: 7534-94-3 EC: 231-403-1	% (w/w) >=10: STOT SE 3 - H335
tert-butyl hydroperoxide CAS: 75-91-2 EC: 200-915-7	% (w/w) >=79: Org. Perox. C - H242 72<= % (w/w) <79: Org. Perox. E - H242 1<= % (w/w) <72: Org. Perox. F - H242 % (w/w) >=1: Eye Dam. 1 - H318 1<= % (w/w) <1: Eye Irrit. 2 - H319 % (w/w) >=0,1: Skin Sens. 1 - H317 % (w/w) >=5: STOT SE 3 - H335

** Changes with regards to the previous version

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**KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS ** (continued)**

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity		Genus
	Route	Dose	
2-Propenoic acid, homopolymer CAS: 9003-01-4 EC: 618-347-7	LD50 oral	1500 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation	Not relevant	
tert-butyl hydroperoxide CAS: 75-91-2 EC: 200-915-7	LD50 oral	560 mg/kg	Rat
	LD50 dermal	440 mg/kg	Rabbit
	LC50 inhalation	0,5 mg/L (ATEi)	
1-Acetylo-2-fenylohydrazyna CAS: 114-83-0 EC: 204-055-3	LD50 oral	270 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation	Not relevant	

** Changes with regards to the previous version

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

May cause an allergic skin reaction. In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes on the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Not available

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media:****Suitable extinguishing media:**

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

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**KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS****SECTION 5: FIREFIGHTING MEASURES (continued)****5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

HEATING MAY CAUSE A FIRE. Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:****A.- General precautions for safe use**

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

AVOID ANY KIND OF HEATING. Devices and systems must comply with the essential safety and health requirements and, with the minimum requirements for improving the health and safety protection of workers. Consult section 10 for conditions and materials that should be avoided. KEEP ONLY IN ORIGINAL CONTAINER.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:**A.- Technical measures for storage**

Minimum Temp.: 10 °C

Maximum Temp.: 20 °C

Maximum time: 12 Months

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**KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS****SECTION 7: HANDLING AND STORAGE (continued)****B.- General conditions for storage**

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid CAS: 41637-38-1 EC: 609-946-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	2 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	3,52 mg/m ³	Not relevant
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	4,2 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	14,7 mg/m ³	Not relevant
2-Propenoic acid, homopolymer CAS: 9003-01-4 EC: 618-347-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,56 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1,97 mg/m ³	Not relevant
Metakrylan ekso-1,7,7-trimetylobicyklo[2.2.1] hept-2-ylu [metakrylan izobornylu] CAS: 7534-94-3 EC: 231-403-1	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,35 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1,22 mg/m ³	Not relevant
Neopentyl glycol propoxylate diacrylate CAS: 84170-74-1 EC: 617-546-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	46,7 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	32,9 mg/m ³	Not relevant
tert-butyl hydroperoxide CAS: 75-91-2 EC: 200-915-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	12,5 mg/kg	Not relevant
	Inhalation	10,37 mg/m ³	21,34 mg/m ³	3,08 mg/m ³	3,69 mg/m ³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid CAS: 41637-38-1 EC: 609-946-4	Oral	Not relevant	Not relevant	0,5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,87 mg/m ³	Not relevant
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	Oral	Not relevant	Not relevant	2,5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	2,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	8,8 mg/m ³	Not relevant
2-Propenoic acid, homopolymer CAS: 9003-01-4 EC: 618-347-7	Oral	Not relevant	Not relevant	0,2 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,2 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,348 mg/m ³	Not relevant
Metakrylan ekso-1,7,7-trimetylobicyklo[2.2.1] hept-2-ylu [metakrylan izobornylu] CAS: 7534-94-3 EC: 231-403-1	Oral	Not relevant	Not relevant	0,21 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,21 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,36 mg/m ³	Not relevant

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
tert-butyl hydroperoxide CAS: 75-91-2 EC: 200-915-7	Oral	Not relevant	Not relevant	0,26 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	7,5 mg/kg	Not relevant
	Inhalation	3,22 mg/m ³	12,81 mg/m ³	0,91 mg/m ³	0,75 mg/m ³

PNEC:



Identification				
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	STP	10 mg/L	Fresh water	0,904 mg/L
	Soil	0,727 mg/kg	Marine water	0,904 mg/L
	Intermittent	0,972 mg/L	Sediment (Fresh water)	6,28 mg/kg
	Oral	Not relevant	Sediment (Marine water)	6,28 mg/kg
2-Propenoic acid, homopolymer CAS: 9003-01-4 EC: 618-347-7	STP	0,9 mg/L	Fresh water	0,003 mg/L
	Soil	0,003 mg/kg	Marine water	0 mg/L
	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,021 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,002 mg/kg
Metakrylan ekso-1,7,7-trimetylobicyklo[2.2.1] hept-2-ylu [metakrylan izobornylu] CAS: 7534-94-3 EC: 231-403-1	STP	2,45 mg/L	Fresh water	0,00233 mg/L
	Soil	0,239 mg/kg	Marine water	0,000233 mg/L
	Intermittent	0,0179 mg/L	Sediment (Fresh water)	1,2 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,12 mg/kg
Neopentyl glycol propoxylate diacrylate CAS: 84170-74-1 EC: 617-546-6	STP	0,1 mg/L	Fresh water	0,003 mg/L
	Soil	0,011 mg/kg	Marine water	0 mg/L
	Intermittent	0,027 mg/L	Sediment (Fresh water)	0,064 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,006 mg/kg
tert-butyl hydroperoxide CAS: 75-91-2 EC: 200-915-7	STP	0,17 mg/L	Fresh water	0,002 mg/L
	Soil	0,166 mg/kg	Marine water	0 mg/L
	Intermittent	0,015 mg/L	Sediment (Fresh water)	0,006 mg/kg
	Oral	0,0014 g/kg	Sediment (Marine water)	0,001 mg/kg

8.2 Exposure controls:



A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	 CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.3 mm)	 CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.



As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection



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KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing			Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes		EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C: Liquid
 Appearance: Sticky
 Colour:  Amber
 Odour: Acre
 Odour threshold: Not available *

Volatility:

Boiling point at atmospheric pressure: Not available *
 Vapour pressure at 20 °C: ≈13 Pa
 Vapour pressure at 50 °C: Not available *
 Evaporation rate at 20 °C: Not available *

Product description:

Density at 20 °C: 1080 kg/m³
 Relative density at 20 °C: 1,08
 Dynamic viscosity at 20 °C: 2480 cP
 Kinematic viscosity at 20 °C: 2300 mm²/s
 Kinematic viscosity at 40 °C: Not available *
 Concentration: Not available *

*Not available due to the nature of the product, not providing information property of its hazards.

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**KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS****SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

pH:	5 - 7
Vapour density at 20 °C:	Not available *
Partition coefficient n-octanol/water 20 °C:	Not available *
Solubility in water at 20 °C:	Not available *
Solubility properties:	Soluble with difficulty
Decomposition temperature:	Not available *
Melting point/freezing point:	Not available *
Flammability:	
Flash Point:	>100 °C
Flammability (solid, gas):	Not available *
Autoignition temperature:	Not available *
Lower flammability limit:	Not available *
Upper flammability limit:	Not available *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:**Information with regard to physical hazard classes:**

Explosive properties:	Not available *
Oxidising properties:	Not available *
Corrosive to metals:	Not available *
Heat of combustion:	Not available *
Aerosols-total percentage (by mass) of flammable components:	Not available *

Other safety characteristics:

Surface tension at 20 °C:	Not available *
Refraction index:	Not available *

*Not available due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Heating may cause a fire or explosion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Precaution	Avoid alkalines, heavy metals, reducing agents, peroxide accelerating agents

10.6 Hazardous decomposition products:

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**KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS****SECTION 10: STABILITY AND REACTIVITY (continued)**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION ****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.
IARC: 2-Propenoic acid, homopolymer (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

** Changes with regards to the previous version

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KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS

SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

Identification	Acute toxicity		Genus
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	LD50 oral	11200 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
Metakrylan ekso-1,7,7-trimetylobicyklo[2.2.1] hept-2-ylu [metakrylan izobornylu] CAS: 7534-94-3 EC: 231-403-1	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Neopentyl glycol propoxylate diacrylate CAS: 84170-74-1 EC: 617-546-6	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid CAS: 41637-38-1 EC: 609-946-4	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
2-Propenoic acid, homopolymer CAS: 9003-01-4 EC: 618-347-7	LD50 oral	1500 mg/kg (ATEi)	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
tert-butyl hydroperoxide CAS: 75-91-2 EC: 200-915-7	LD50 oral	560 mg/kg	Rat
	LD50 dermal	440 mg/kg (ATEi)	Rabbit
	LC50 inhalation	0,5 mg/L (ATEi)	
1-Acetylo-2-fenylhydrazyna CAS: 114-83-0 EC: 204-055-3	LD50 oral	270 mg/kg (ATEi)	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation		

11.2 Information on other hazards:**Endocrine disrupting properties**

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Not relevant

*** Changes with regards to the previous version*

SECTION 12: ECOLOGICAL INFORMATION **

The experimental information related to the eco-toxicological properties of the product itself is not available

Harmful to aquatic life with long lasting effects.

12.1 Toxicity:**Acute toxicity:**

Identification	Concentration		Species	Genus
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	LC50	833 mg/L (96 h)	Scophthalmus maximus	Fish
	EC50	210 mg/L (48 h)	Acartia tonsa	Crustacean
	EC50	Not relevant		
2-Propenoic acid, homopolymer CAS: 9003-01-4 EC: 618-347-7	LC50	27 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	47 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0,13 mg/L (72 h)	Desmodesmus subspicatus	Algae
Neopentyl glycol propoxylate diacrylate CAS: 84170-74-1 EC: 617-546-6	LC50	2,7 mg/L (96 h)	Danio rerio	Fish
	EC50	37 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	3,4 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
tert-butyl hydroperoxide CAS: 75-91-2 EC: 200-915-7	LC50	30 mg/L (96 h)	Pimephales promelas	Fish
	EC50	14 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1,5 mg/L (72 h)	Selenastrum capricornutum	Algae

Chronic toxicity:*** Changes with regards to the previous version*

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KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS**SECTION 12: ECOLOGICAL INFORMATION ** (continued)**

Identification	Concentration		Species	Genus
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	NOEC	Not relevant		
	NOEC	45,2 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:**Substance-specific information:**

Identification	Degradability		Biodegradability	
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	BOD5	Not relevant	Concentration	Not relevant
	COD	Not relevant	Period	Not relevant
	BOD5/COD	Not relevant	% Biodegradable	81 %
2-Propenoic acid, homopolymer CAS: 9003-01-4 EC: 618-347-7	BOD5	Not relevant	Concentration	75.1 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	87,4 %
Neopentyl glycol propoxylate diacrylate CAS: 84170-74-1 EC: 617-546-6	BOD5	Not relevant	Concentration	2 mg/L
	COD	Not relevant	Period	56 days
	BOD5/COD	Not relevant	% Biodegradable	70 %
tert-butyl hydroperoxide CAS: 75-91-2 EC: 200-915-7	BOD5	Not relevant	Concentration	100 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	0 %

12.3 Bioaccumulative potential:**Substance-specific information:**

Identification	Bioaccumulation potential	
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	BCF	3
	Pow Log	0.97
	Potential	Low
tert-butyl hydroperoxide CAS: 75-91-2 EC: 200-915-7	BCF	3
	Pow Log	0.7
	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	Koc	80	Henry	9E-4 Pa·m ³ /mol
	Conclusion	High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
2-Propenoic acid, homopolymer CAS: 9003-01-4 EC: 618-347-7	Koc	45.3	Henry	Not relevant
	Conclusion	High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
tert-butyl hydroperoxide CAS: 75-91-2 EC: 200-915-7	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	2,098E-2 N/m (25 °C)	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

** Changes with regards to the previous version

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods:**

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**KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS****SECTION 13: DISPOSAL CONSIDERATIONS (continued)**

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances	Hazardous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP6 Acute Toxicity, HP13 Sensitising, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION**Transport of dangerous goods by land:**

With regard to ADR 2023 and RID 2023:

- 14.1 UN number or ID number:** Not relevant
14.2 UN proper shipping name: Not relevant
14.3 Transport hazard class(es): Not relevant
Labels: Not relevant
14.4 Packing group: Not relevant
14.5 Environmental hazards: No
14.6 Special precautions for user
Special regulations: Not relevant
Tunnel restriction code: Not relevant
Physico-Chemical properties: see section 9
Limited quantities: Not relevant
14.7 Maritime transport in bulk according to IMO instruments: Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 41-22:

- 14.1 UN number or ID number:** Not relevant
14.2 UN proper shipping name: Not relevant
14.3 Transport hazard class(es): Not relevant
Labels: Not relevant
14.4 Packing group: Not relevant
14.5 Marine pollutant: No
14.6 Special precautions for user
Special regulations: Not relevant
EmS Codes:
Physico-Chemical properties: see section 9
Limited quantities: Not relevant
Segregation group: Not relevant
14.7 Maritime transport in bulk according to IMO instruments: Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2024:

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**KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS****SECTION 14: TRANSPORT INFORMATION (continued)**

14.1 UN number or ID number:	Not relevant
14.2 UN proper shipping name:	Not relevant
14.3 Transport hazard class(es):	Not relevant
Labels:	Not relevant
14.4 Packing group:	Not relevant
14.5 Environmental hazards:	No
14.6 Special precautions for user	
Physico-Chemical properties:	see section 9
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:**

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

Seveso III:

Not relevant

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION ****Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

** Changes with regards to the previous version

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**KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS****SECTION 16: OTHER INFORMATION ** (continued)**

COMMISSION REGULATION (EU) 2020/878

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):

- New declared substances
 - tert-butyl hydroperoxide (75-91-2)
 - 2-Propenoic acid, homopolymer (9003-01-4)
- Removed substances
 - acrylic acid (79-10-7)
 - A, α -dimethylbenzyl hydroperoxide (80-15-9)
 - 2-carboxyethyl acrylate (24615-84-7)

Substances that contribute to the classification (SECTION 2):

- New declared substances
 - tert-butyl hydroperoxide (75-91-2)
 - Neopentyl glycol propoxylate diacrylate (84170-74-1)
 - Methacrylic acid, monoester with propane-1,2-diol (27813-02-1)
 - 2-Propenoic acid, homopolymer (9003-01-4)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Hazard statements
- Precautionary statements

Texts of the legislative phrases mentioned in section 2:

H318: Causes serious eye damage.

H317: May cause an allergic skin reaction.

H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 2: H330 - Fatal if inhaled.

Acute Tox. 3: H301 - Toxic if swallowed.

Acute Tox. 3: H311 - Toxic in contact with skin.

Acute Tox. 4: H302 - Harmful if swallowed.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

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

Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life.

Carc. 2: H351 - Suspected of causing cancer.

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Muta. 2: H341 - Suspected of causing genetic defects.

Org. Perox. F: H242 - Heating may cause a fire.

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

STOT SE 3: H335 - May cause respiratory irritation.

Classification procedure:

Eye Dam. 1: Calculation method

Skin Sens. 1A: Calculation method

Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:<http://echa.europa.eu><http://eur-lex.europa.eu>**Abbreviations and acronyms:**

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KLEJ DO LUSTEREK I ANTEN SAMOCHODOWYCH - ADHESIVE FOR REAR VIEW MIRRORS

SECTION 16: OTHER INFORMATION ** (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

*** Changes with regards to the previous version*

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -