

**POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

1.1 Product identifier: POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT

Other means of identification:

UFI: DXGJ-80U5-420K-0MTD

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

Relevant uses: Polyurethane sealing agent.

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.

Resp. Sens. 1: Sensitisation, respiratory, Category 1, H334

Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

Precautionary statements:

P261: Avoid breathing vapours

P280: Wear protective gloves.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Supplementary information:

EUH212: Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

Substances that contribute to the classification

4,4'-methylenediphenyl diisocyanate; Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Additional Labelling:

Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

As from 24 August 2023 adequate training is required before industrial or professional use.

UFI: DXGJ-80U5-420K-0MTD

The product packaging must include: tactile warning.

- CONTINUED ON NEXT PAGE -



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**POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT**

SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product does not meet PBT/vPvB criteria

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:**Chemical description:** adhesive containing polyurethane prepolymer based on methylene diphenyl isocyanate**Components:**

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

| Identification | Chemical name/Classification | Concentration |
|---|---|---------------|
| CAS: 9002-86-2 EC: Non-applicable Index: Non-applicable REACH: Non-applicable | Polyvinyl chloride⁽¹⁾ Not classified Regulation 1272/2008 | 20 - <50 % |
| CAS: Non-applicable EC: 905-588-0 Index: Non-applicable REACH: 01-2119488216-32-XXXX | Reaction mass of ethylbenzene and xylene⁽²⁾ Self-classified Regulation 1272/2008 Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger | 3 - <7 % |
| CAS: 13463-67-7 EC: 236-675-5 Index: Non-applicable REACH: 01-2119489379-17-XXXX | Titanium dioxide (aerodynamic diameter $\geq 10 \mu\text{m}$)⁽¹⁾ Not classified Regulation 1272/2008 | <5 % |
| CAS: 1317-61-9 EC: 215-277-5 Index: Non-applicable REACH: Non-applicable | Tlenek żelaza⁽¹⁾ Not classified Regulation 1272/2008 | <3 % |
| CAS: 1305-78-8 EC: 215-138-9 Index: Non-applicable REACH: 01-2119475325-36-XXXX | Calcium oxide⁽²⁾ Self-classified Regulation 1272/2008 Eye Dam. 1: H318; Skin Irrit. 2: H315; STOT SE 3: H335 - Danger | <3 % |
| CAS: Non-applicable EC: 926-141-6 Index: Non-applicable REACH: 01-2119456620-43-XXXX | Hydrocarbons, C11-C14,n-alkanes, isoalkanes, cyclics, <2% aromatics⁽²⁾ Self-classified Regulation 1272/2008 Asp. Tox. 1: H304; EUH066 - Danger | 0,5 - <2 % |
| CAS: 51274-00-1 EC: 257-098-5 Index: Non-applicable REACH: 01-2119457554-33-XXXX | Iron hydroxide oxide yellow⁽¹⁾ Not classified Regulation 1272/2008 | <2 % |
| CAS: 7429-90-5 EC: 231-072-3 Index: 013-002-00-1 REACH: 01-2119529243-45-XXXX | Aluminium powder (stabilised)⁽¹⁾ ATP ATP01 Regulation 1272/2008 Flam. Sol. 1: H228; Water-react. 2: H261 - Danger | <1,5 % |
| CAS: 101-68-8 EC: 202-966-0 Index: 615-005-00-9 REACH: 01-2119457014-47-XXXX | 4,4'-methylenediphenyl diisocyanate⁽²⁾ ATP CLP00 Regulation 1272/2008 Acute Tox. 4: H332; Carc. 2: H351; Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 3: H335 - Danger | <1 % |
| CAS: 1333-86-4 EC: 215-609-9 Index: Non-applicable REACH: Non-applicable | Carbon black⁽¹⁾ Not classified Regulation 1272/2008 | <0,5 % |
| CAS: Non-applicable EC: 915-687-0 Index: Non-applicable REACH: 01-2119491304-40-XXXX | Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate⁽²⁾ Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1A: H317 - Warning | <0,15 % |

⁽¹⁾ Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878⁽²⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

- CONTINUED ON NEXT PAGE -

**POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)**

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

Other information:

| Identification | Specific concentration limit |
|---|---|
| Aluminium powder (stabilised) CAS: 7429-90-5 EC: 231-072-3 | % (w/w) >=50: Flam. Sol. 1 - H228 % (w/w) >=40: Water-react. 2 - H261 |
| 4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0 | % (w/w) >=5: Skin Irrit. 2 - H315 % (w/w) >=5: Eye Irrit. 2 - H319 % (w/w) >=0,1: Resp. Sens. 1 - H334 % (w/w) >=5: STOT SE 3 - H335 |

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 |
|--|-----------------|--------------|-------|
| Reaction mass of ethylbenzene and xylene CAS: Non-applicable EC: 905-588-0 | LD50 oral | Not relevant | |
| | LD50 dermal | 1100 mg/kg | Rat |
| | LC50 inhalation | Not relevant | |

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:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for 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, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (D powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

WARNING! Product contains substances that produce extremely flammable gases when it comes into contact with water. NEVER USE WATER TO EXTINGUISH THE FIRE.

- CONTINUED ON NEXT PAGE -

**POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT****SECTION 5: FIREFIGHTING MEASURES (continued)****5.2 Special hazards arising from the substance or mixture:**

Contains substances that react with water producing extremely flammable gases.

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:**

AVOID CONTACT WITH WATER. Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those who do not have 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:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

DO NOT USE WATER TO CLEAN.

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 contact with water and the evaporation of the product, as it could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Avoid splashes and pulverizations. Consult section 10 for conditions and materials that should be avoided.

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

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

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

Minimum Temp.: 10 °C

- CONTINUED ON NEXT PAGE -



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POLYURETHANE ADHESIVE SEALANT****SECTION 7: HANDLING AND STORAGE (continued)**

Maximum Temp.: 20 °C
Maximum time: 12 Months

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):

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

| Identification | Occupational exposure limits | |
|---|------------------------------|---------------------|
| | IOELV (8h) | IOELV (STEL) |
| Calcium oxide CAS: 1305-78-8 EC: 215-138-9 | 1 mg/m ³ | 4 mg/m ³ |

DNEL (Workers):

| Identification | | Short exposure | | Long exposure | |
|--|------------|-----------------------|-----------------------|------------------------|------------------------|
| | | Systemic | Local | Systemic | Local |
| Reaction mass of ethylbenzene and xylene CAS: Non-applicable EC: 905-588-0 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 212 mg/kg | Not relevant |
| | Inhalation | 442 mg/m ³ | 442 mg/m ³ | 221 mg/m ³ | 221 mg/m ³ |
| Tlenek żelaza CAS: 1317-61-9 EC: 215-277-5 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| | Inhalation | Not relevant | Not relevant | Not relevant | 10 mg/m ³ |
| Calcium oxide CAS: 1305-78-8 EC: 215-138-9 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| | Inhalation | Not relevant | 4 mg/m ³ | Not relevant | 1 mg/m ³ |
| Aluminium powder (stabilised) CAS: 7429-90-5 EC: 231-072-3 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| | Inhalation | Not relevant | Not relevant | 3,72 mg/m ³ | 3,72 mg/m ³ |
| 4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| | Inhalation | Not relevant | 0,1 mg/m ³ | Not relevant | 0,05 mg/m ³ |
| Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: Non-applicable EC: 915-687-0 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 0,5 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 0,68 mg/m ³ | Not relevant |

DNEL (General population):

| Identification | | Short exposure | | Long exposure | |
|--|------------|-----------------------|-----------------------|------------------------|------------------------|
| | | Systemic | Local | Systemic | Local |
| Reaction mass of ethylbenzene and xylene CAS: Non-applicable EC: 905-588-0 | Oral | Not relevant | Not relevant | 12,5 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 125 mg/kg | Not relevant |
| | Inhalation | 260 mg/m ³ | 260 mg/m ³ | 65,3 mg/m ³ | 65,3 mg/m ³ |
| Calcium oxide CAS: 1305-78-8 EC: 215-138-9 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| | Inhalation | Not relevant | 4 mg/m ³ | Not relevant | 1 mg/m ³ |

- CONTINUED ON NEXT PAGE -

**POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT**
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | Short exposure | | Long exposure | |
|--|------------|----------------|------------------------|------------------------|-------------------------|
| | | Systemic | Local | Systemic | Local |
| Aluminium powder (stabilised) CAS: 7429-90-5 EC: 231-072-3 | Oral | Not relevant | Not relevant | 7,9 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| | Inhalation | Not relevant | Not relevant | Not relevant | Not relevant |
| 4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| | Inhalation | Not relevant | 0,05 mg/m ³ | Not relevant | 0,025 mg/m ³ |
| Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: Non-applicable EC: 915-687-0 | Oral | Not relevant | Not relevant | 0,05 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 0,25 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 0,17 mg/m ³ | Not relevant |



PNEC:

| Identification | | | | |
|--|--------------|--------------|-------------------------|--------------|
| Reaction mass of ethylbenzene and xylene CAS: Non-applicable EC: 905-588-0 | STP | 6,58 mg/L | Fresh water | 0,327 mg/L |
| | Soil | 2,31 mg/kg | Marine water | 0,327 mg/L |
| | Intermittent | 0,327 mg/L | Sediment (Fresh water) | 12,46 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 12,46 mg/kg |
| Calcium oxide CAS: 1305-78-8 EC: 215-138-9 | STP | 2,27 mg/L | Fresh water | 0,37 mg/L |
| | Soil | 817,4 mg/kg | Marine water | 0,24 mg/L |
| | Intermittent | 0,37 mg/L | Sediment (Fresh water) | Not relevant |
| | Oral | Not relevant | Sediment (Marine water) | Not relevant |
| 4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0 | STP | 1 mg/L | Fresh water | 1 mg/L |
| | Soil | 1 mg/kg | Marine water | 0,1 mg/L |
| | Intermittent | 10 mg/L | Sediment (Fresh water) | Not relevant |
| | Oral | Not relevant | Sediment (Marine water) | Not relevant |
| Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: Non-applicable EC: 915-687-0 | STP | 1 mg/L | Fresh water | 0,002 mg/L |
| | Soil | 0,21 mg/kg | Marine water | 0 mg/L |
| | Intermittent | 0,009 mg/L | Sediment (Fresh water) | 1,05 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 0,11 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 |
|---|-----------------------------------|--|---------------------|--|
|  | 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 |
|---|---|--|-------------------|--|
|  | Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm) |  CAT III | EN ISO 21420:2020 | Replace the gloves at any sign of deterioration. |

- CONTINUED ON NEXT PAGE -



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POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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

| 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: Paste
 Colour: According to the markings on the package
 Odour: Soft
 Odour threshold: Not available *

Volatility:

Boiling point at atmospheric pressure: 137 °C
 Vapour pressure at 20 °C: Not available *
 Vapour pressure at 50 °C: Not available *
 Evaporation rate at 20 °C: Not available *

Product description:

Density at 20 °C: 1150 kg/m³
 Relative density at 20 °C: 1,15
 Dynamic viscosity at 20 °C: Not available *

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

- CONTINUED ON NEXT PAGE -

**POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT****SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

| | |
|--|--------------------------|
| Kinematic viscosity at 20 °C: | Not available * |
| Kinematic viscosity at 40 °C: | >20,5 mm ² /s |
| Concentration: | Not available * |
| pH: | Not available * |
| 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: | Insoluble in water |
| Decomposition temperature: | Not available * |
| Melting point/freezing point: | Not available * |
| Flammability: | |
| Flash Point: | 68 - 83 °C |
| Flammability (solid, gas): | Not available * |
| Autoignition temperature: | 200 °C |
| 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 |
|--------------------|------------------|-------------------------|------------|------------|
| Precaution | Not applicable | Precaution | Precaution | Precaution |

10.5 Incompatible materials:

| Acids | Water | Oxidising materials | Combustible materials | Others |
|--------------------|------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Precaution | Avoid direct impact | Not applicable | Avoid alkalis or strong bases |

- CONTINUED ON NEXT PAGE -

**POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT****SECTION 10: STABILITY AND REACTIVITY (continued)****10.6 Hazardous decomposition products:**

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, as it does not contain substances classified as hazardous 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 contains substances classified as hazardous for inhalation. 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: 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.

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: Polyvinyl chloride (3); Carbon black (2B); 4,4'-methylenediphenyl diisocyanate (3); Reaction mass of ethylbenzene and xylene (3)
- Mutagenicity: 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.
- 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: Prolonged exposure can result in specific respiratory hypersensitivity.
- 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. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

H- Aspiration hazard:

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.

Other information:

Not relevant

- CONTINUED ON NEXT PAGE -

**POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT****SECTION 11: TOXICOLOGICAL INFORMATION (continued)****Specific toxicology information on the substances:**

| Identification | Acute toxicity | | Genus |
|--|-----------------|-------------------|--------|
| Polyvinyl chloride CAS: 9002-86-2 EC: Non-applicable | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >5 mg/L | |
| Titanium dioxide (aerodynamic diameter \geq 10 μ m) CAS: 13463-67-7 EC: 236-675-5 | LD50 oral | 10000 mg/kg | Rat |
| | LD50 dermal | 10000 mg/kg | Rabbit |
| | LC50 inhalation | >5 mg/L | |
| Calcium oxide CAS: 1305-78-8 EC: 215-138-9 | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >5 mg/L | |
| Hydrocarbons, C11-C14,n-alkanes, isoalkanes, cyclics, <2% aromatics CAS: Non-applicable EC: 926-141-6 | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >20 mg/L | |
| Reaction mass of ethylbenzene and xylene CAS: Non-applicable EC: 905-588-0 | LD50 oral | 2100 mg/kg | Rat |
| | LD50 dermal | 1100 mg/kg (ATEi) | Rat |
| | LC50 inhalation | 11 mg/L (4 h) | Rat |
| Tlenek żelaza CAS: 1317-61-9 EC: 215-277-5 | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >5 mg/L | |
| Iron hydroxide oxide yellow CAS: 51274-00-1 EC: 257-098-5 | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >5 mg/L | |
| Aluminium powder (stabilised) CAS: 7429-90-5 EC: 231-072-3 | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >5 mg/L | |
| 4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0 | LD50 oral | 7616 mg/kg | Rat |
| | LD50 dermal | 10000 mg/kg | Rabbit |
| | LC50 inhalation | >5 mg/L | |
| Carbon black CAS: 1333-86-4 EC: 215-609-9 | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >5 mg/L | |
| Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: Non-applicable EC: 915-687-0 | LD50 oral | 3230 mg/kg | Rat |
| | LD50 dermal | 3170 mg/kg | Rabbit |
| | LC50 inhalation | >20 mg/L | |

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

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

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

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

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.

12.1 Toxicity:**Acute toxicity:**

- CONTINUED ON NEXT PAGE -



Safety data sheet

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POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT

SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Concentration | | Species | Genus |
|--|---------------|------------------|-------------------|------------|
| Calcium oxide CAS: 1305-78-8 EC: 215-138-9 | LC50 | 1070 mg/L (96 h) | Cyprinus carpio | Fish |
| | EC50 | Not relevant | | |
| | EC50 | Not relevant | | |
| 4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0 | LC50 | 1000 mg/L (96 h) | Brachydanio rerio | Fish |
| | EC50 | Not relevant | | |
| | EC50 | Not relevant | | |
| Carbon black CAS: 1333-86-4 EC: 215-609-9 | LC50 | 1000 mg/L (96 h) | Brachydanio rerio | Fish |
| | EC50 | 5600 mg/L (24 h) | Daphnia magna | Crustacean |
| | EC50 | Not relevant | | |
| Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: Non-applicable EC: 915-687-0 | LC50 | 0,9 mg/L (96 h) | Danio rerio | Fish |
| | EC50 | Not relevant | | |
| | EC50 | 1,7 mg/L (72 h) | N/A | Algae |

Chronic toxicity:

| Identification | Concentration | | Species | Genus |
|---|---------------|--------------|-----------------------|------------|
| Reaction mass of ethylbenzene and xylene CAS: Non-applicable EC: 905-588-0 | NOEC | 1,3 mg/L | Oncorhynchus mykiss | Fish |
| | NOEC | 1,17 mg/L | Ceriodaphnia dubia | Crustacean |
| Titanium dioxide (aerodynamic diameter ≥ 10 µm) CAS: 13463-67-7 EC: 236-675-5 | NOEC | 1000 mg/L | Danio rerio | Fish |
| | NOEC | 1 mg/L | Corbicula fluminea | Crustacean |
| Calcium oxide CAS: 1305-78-8 EC: 215-138-9 | NOEC | Not relevant | | |
| | NOEC | 32 mg/L | Crangon septemspinosa | Crustacean |
| Iron hydroxide oxide yellow CAS: 51274-00-1 EC: 257-098-5 | NOEC | 10 mg/L | Danio rerio | Fish |
| | NOEC | Not relevant | | |
| 4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0 | NOEC | Not relevant | | |
| | NOEC | 10 mg/L | Daphnia magna | Crustacean |
| Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: Non-applicable EC: 915-687-0 | NOEC | Not relevant | | |
| | NOEC | 1 mg/L | Daphnia magna | Crustacean |

12.2 Persistence and degradability:

Substance-specific information:

| Identification | Degradability | | Biodegradability | |
|--|---------------|--------------|------------------|----------|
| | | | | |
| Hydrocarbons, C11-C14,n-alkanes, isoalkanes, cyclics, <2% aromatics CAS: Non-applicable EC: 926-141-6 | BOD5 | Not relevant | Concentration | 100 mg/L |
| | COD | Not relevant | Period | 28 days |
| | BOD5/COD | Not relevant | % Biodegradable | 71 % |
| Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: Non-applicable EC: 915-687-0 | BOD5 | Not relevant | Concentration | 20 mg/L |
| | COD | Not relevant | Period | 28 days |
| | BOD5/COD | Not relevant | % Biodegradable | 38 % |

12.3 Bioaccumulative potential:

Substance-specific information:

| Identification | Bioaccumulation potential | |
|--|---------------------------|------|
| Reaction mass of ethylbenzene and xylene CAS: Non-applicable EC: 905-588-0 | BCF | 9 |
| | Pow Log | 2.77 |
| | Potential | Low |
| 4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0 | BCF | 150 |
| | Pow Log | 4.51 |
| | Potential | High |

12.4 Mobility in soil:

- CONTINUED ON NEXT PAGE -



Safety data sheet

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

**POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT**

SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Absorption/desorption | | Volatility | |
|--|-----------------------|--------------------------|------------|-----------------------------|
| 4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0 | Koc | Not relevant | Henry | Not relevant |
| | Conclusion | Not relevant | Dry soil | Not relevant |
| | Surface tension | 2,068E-2 N/m (283,45 °C) | Moist soil | Not relevant |
| Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: Non-applicable EC: 915-687-0 | Koc | 204400 | Henry | 0E+0 Pa·m ³ /mol |
| | Conclusion | Immobile | Dry soil | No |
| | Surface tension | Not relevant | Moist soil | No |

Insoluble in water

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

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

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

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

Not relevant

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:

- CONTINUED ON NEXT PAGE -

**POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT****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 | |
| 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:

| | |
|--|---------------|
| 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: *Calcium oxide (1305-78-8) - PT: (2,3)*
- 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

- CONTINUED ON NEXT PAGE -



Safety data sheet

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POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT

SECTION 15: REGULATORY INFORMATION (continued)

Seveso III:

Not relevant

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

- CONTINUED ON NEXT PAGE -

**POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT****SECTION 15: REGULATORY INFORMATION (continued)**

Contains more than 0.1 % of 4,4'-methylenediphenyl diisocyanate by weight. This product may not be distributed in its present form for first-time sale to the general public after 27th December 2010 unless the packaging contains protective gloves meeting the provisions of Regulation (EU) 2016/425.

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.

Contains more than 0.1 % of 4,4'-methylenediphenyl diisocyanate by weight. 1. Shall not be used as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 August 2023, unless:

(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the employer or self-employed ensures that industrial or professional user(s) have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture(s).

2. Shall not be placed on the market as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 February 2022, unless:

(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the supplier ensures that the recipient of the substance(s) or mixture(s) is provided with information on the requirements referred to in point (b) of paragraph 1 and the following statement is placed on the packaging, in a manner that is visibly distinct from the rest of the label information: "As from 24 August 2023 adequate training is required before industrial or professional use".

3. For the purpose of this entry "industrial and professional user(s)" means any worker or self-employed worker handling diisocyanates on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) or supervising these tasks.

4. The training referred to in point (b) of paragraph 1 shall include the instructions for the control of dermal and inhalation exposure to diisocyanates at the workplace without prejudice to any national occupational exposure limit value or other appropriate risk management measures at national level. Such training shall be conducted by an expert on occupational safety and health with competence acquired by relevant vocational training. That training shall cover as a minimum:

(a) the training elements in point (a) of paragraph 5 for all industrial and professional use(s).

(b) the training elements in points (a) and (b) of paragraph 5 for the following uses:

- handling open mixtures at ambient temperature (including foam tunnels)
- spraying in a ventilated booth
- application by roller
- application by brush
- application by dipping and pouring
- mechanical post treatment (e.g. cutting) of not fully cured articles which are not warm anymore
- cleaning and waste
- any other uses with similar exposure through the dermal and/or inhalation route

(c) the training elements in points (a), (b) and (c) of paragraph 5 for the following uses:

- handling incompletely cured articles (e.g. freshly cured, still warm)
- foundry applications
- maintenance and repair that needs access to equipment
- open handling of warm or hot formulations (> 45 °C)
- spraying in open air, with limited or only natural ventilation (includes large industry working halls) and spraying with high energy (e.g. foams, elastomers)
- and any other uses with similar exposure through the dermal and/or inhalation route.

5. Training elements:

(a) general training, including on-line training, on:

- chemistry of diisocyanates
- toxicity hazards (including acute toxicity)
- exposure to diisocyanates
- occupational exposure limit values
- how sensitisation can develop
- odour as indication of hazard
- importance of volatility for risk
- viscosity, temperature, and molecular weight of diisocyanates
- personal hygiene
- personal protective equipment needed, including practical instructions for its correct use and its limitations
- risk of dermal contact and inhalation exposure
- risk in relation to application process used
- skin and inhalation protection scheme
- ventilation
- cleaning, leakages, maintenance
- discarding empty packaging

- CONTINUED ON NEXT PAGE -

**POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT****SECTION 15: REGULATORY INFORMATION (continued)**

- protection of bystanders
 - identification of critical handling stages
 - specific national code systems (if applicable)
 - behaviour-based safety
 - certification or documented proof that training has been successfully completed
- (b) intermediate level training, including on-line training, on:
- additional behaviour-based aspects
 - maintenance
 - management of change
 - evaluation of existing safety instructions
 - risk in relation to application process used
 - certification or documented proof that training has been successfully completed
- (c) advanced training, including on-line training, on:
- any additional certification needed for the specific uses covered
 - spraying outside a spraying booth
 - open handling of hot or warm formulations (> 45 °C)
 - certification or documented proof that training has been successfully completed
6. The training shall comply with the provisions set by the Member State in which the industrial or professional user(s) operate. Member States may implement or continue to apply their own national requirements for the use of the substance(s) or mixture(s), as long as the minimum requirements set out in paragraphs 4 and 5 are met.
7. The supplier referred to in point (b) of paragraph 2 shall ensure that the recipient is provided with training material and courses pursuant to paragraphs 4 and 5 in the official language(s) of the Member State(s) where the substance(s) or mixture(s) are supplied. The training shall take into consideration the specificity of the products supplied, including composition, packaging, and design.
8. The employer or self-employed shall document the successful completion of the training referred to in paragraphs 4 and 5. The training shall be renewed at least every five years.
9. Member States shall include in their reports pursuant to Article 117(1) the following information:
- (a) any established training requirements and other risk management measures related to the industrial and professional uses of diisocyanates foreseen in national law
 - (b) the number of cases of reported and recognised occupational asthma and occupational respiratory and dermal diseases in relation to diisocyanates
 - (c) national exposure limits for diisocyanates, if there are any
 - (d) information about enforcement activities related to this restriction.
10. This restriction shall apply without prejudice to other Union legislation on the protection of safety and health of workers at the workplace.

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.:

Not relevant

Texts of the legislative phrases mentioned in section 2:

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317: May cause an allergic skin reaction.

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:

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**POLIURETANOWA MASA KLEJĄCO USZCZELNIAJĄCA BEŻOWA - ONE-COMPONENT
POLYURETHANE ADHESIVE SEALANT****SECTION 16: OTHER INFORMATION (continued)**

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Acute Tox. 4: H332 - Harmful if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
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.
Flam. Sol. 1: H228 - Flammable solid.
Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
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 RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.
STOT SE 3: H335 - May cause respiratory irritation.
Water-react. 2: H261 - In contact with water releases flammable gases.

Classification procedure:

Resp. Sens. 1: Calculation method

Skin Sens. 1A: 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:**

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

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 -