


**SZPACHLÓWKA UNIWERSALNA - UNIVERSAL PUTTY****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** SZPACHLÓWKA UNIWERSALNA - UNIVERSAL PUTTY  
Mixture identifier: contains: styrene, maleic anhydride, titanium dioxide, reaction product of bisphenol A with epichlorohydrin; epoxy resin (average molecular weight  $\leq 700$ ).
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: The product is intended for professional use, used for repairing car bodies and polyester laminates.  
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:**  
Agencja Handlowa "BOLL" Wojciech Dalewski Spółka Jawna  
ul. Chemiczna 3  
65-713 Zielona Góra - Polska  
Phone.: 68 451 99 99 - Fax: 68 451 99 00  
technolog@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.  
Carc. 2: Carcinogenicity, Category 2, H351  
Eye Irrit. 2: Eye irritation, Category 2, H319  
Flam. Liq. 3: Flammable liquids, Category 3, H226  
Repr. 2: Reproductive toxicity, Category 2, H361d  
Skin Irrit. 2: Skin irritation, Category 2, H315  
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317  
STOT RE 1: Specific target organ toxicity by inhalation, repeated exposure, Category 1, H372
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Danger**
- 
- Hazard statements:**  
H226 - Flammable liquid and vapour.  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H351 - Suspected of causing cancer (Inhalation).  
H361d - Suspected of damaging the unborn child.  
H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).
- Precautionary statements:**  
P260: Do not breathe dust/fume/gas/mist/vapours/spray  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower  
P314: Get medical advice/attention if you feel unwell  
P403+P235: Store in a well-ventilated place. Keep cool  
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively
- Supplementary information:**  
EUH212: Warning! Hazardous respirable dust may be formed when used. Do not breathe dust
- Substances that contribute to the classification**  
styrene; Titanium dioxide (aerodynamic diameter  $\leq 10 \mu\text{m}$ )

\*\* Changes with regards to the previous version

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## Safety data sheet

This SDS is an English translation of Regulation (EU) n° 2015/830, without any country-specific legislation

**SZPACHLÓWKA UNIWERSALNA - UNIVERSAL PUTTY****SECTION 2: HAZARDS IDENTIFICATION \*\* (continued)****2.3 Other hazards:**

Product fails to meet PBT/vPvB 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: 100-42-5<br>EC: 202-851-5<br>Index: 601-026-00-0<br>REACH: 01-2119457861-32-XXXX     | <b>styrene<sup>(1)</sup></b> Self-classified<br>Regulation 1272/2008 Acute Tox. 4: H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 1: H372; STOT SE 3: H335 - Danger | <15 %         |
| CAS: 13463-67-7<br>EC: 236-675-5<br>Index: Non-applicable<br>REACH: 01-2119489379-17-XXXX | <b>Titanium dioxide (aerodynamic diameter ≤ 10 µm)<sup>(1)</sup></b> Self-classified<br>Regulation 1272/2008 Carc. 2: H351 - Warning  | <2 %          |
| CAS: 25068-38-6<br>EC: 500-033-5<br>Index: 603-074-00-8<br>REACH: 01-2119456619-26-XXXX   | <b>reaction product: bisphenol-A-(epichlorhydrin) ( MW &lt; 700 )<sup>(1)</sup></b> ATP CLP00<br>Regulation 1272/2008 Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning  | <0,2 %        |
| CAS: 108-31-6<br>EC: 203-571-6<br>Index: 607-096-00-9<br>REACH: 01-2119472428-31-XXXX     | <b>maleic anhydride<sup>(1)</sup></b> ATP ATP13<br>Regulation 1272/2008 Acute Tox. 4: H302; Eye Dam. 1: H318; Resp. Sens. 1: H334; Skin Corr. 1B: H314; Skin Sens. 1: H317; STOT RE 1: H372; EUH071 - Danger  | <0,05 %       |

<sup>(1)</sup> Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2015/830

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

**Other information:**

| Identification  | Specific concentration limit  |
|---|---|
| reaction product: bisphenol-A-(epichlorhydrin) ( MW < 700 )<br>CAS: 25068-38-6<br>EC: 500-033-5 | % (w/w) >=5: Skin Irrit. 2 - H315<br>% (w/w) >=5: Eye Irrit. 2 - H319 |
| maleic anhydride<br>CAS: 108-31-6<br>EC: 203-571-6  | % (w/w) >=0,001: Skin Sens. 1A - H317                                 |

*\*\* 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:**

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:**

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**SZPACHLÓWKA UNIWERSALNA - UNIVERSAL PUTTY****SECTION 4: FIRST AID MEASURES (continued)**

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 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:**

Non-applicable

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

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>). 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.

**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:**

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.

**6.2 Environmental precautions:**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

**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.

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**SZPACHLÓWKA UNIWERSALNA - UNIVERSAL PUTTY****SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling:****A.- Precautions for safe manipulation**

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

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

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

**C.- Technical recommendations to prevent ergonomic and toxicological risks**

**PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT.** Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. 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.: | 5 °C      |
| Maximum Temp.: | 20 °C     |
| Maximum time:  | 24 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):

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

**DNEL (Workers):**

| Identification  |            | Short exposure        |                       | Long exposure          |                |
|---|------------|-----------------------|-----------------------|------------------------|----------------|
|   |            | Systemic              | Local                 | Systemic               | Local          |
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5   | Oral       | Non-applicable        | Non-applicable        | Non-applicable         | Non-applicable |
|   | Dermal     | Non-applicable        | Non-applicable        | 406 mg/kg              | Non-applicable |
|   | Inhalation | 289 mg/m <sup>3</sup> | 306 mg/m <sup>3</sup> | 85 mg/m <sup>3</sup>   | Non-applicable |
| reaction product: bisphenol-A-(epichlorhydrin) ( MW < 700 )<br>CAS: 25068-38-6<br>EC: 500-033-5 | Oral       | Non-applicable        | Non-applicable        | Non-applicable         | Non-applicable |
|   | Dermal     | Non-applicable        | Non-applicable        | 0,75 mg/kg             | Non-applicable |
|   | Inhalation | Non-applicable        | Non-applicable        | 4,93 mg/m <sup>3</sup> | Non-applicable |

**DNEL (General population):**

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**SZPACHLÓWKA UNIWERSALNA - UNIVERSAL PUTTY**

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

| Identification  |            | Short exposure           |                          | Long exposure          |                |
|---|------------|--------------------------|--------------------------|------------------------|----------------|
|   |            | Systemic                 | Local                    | Systemic               | Local          |
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5   | Oral       | Non-applicable           | Non-applicable           | 2,1 mg/kg              | Non-applicable |
|   | Dermal     | Non-applicable           | Non-applicable           | 343 mg/kg              | Non-applicable |
|   | Inhalation | 174,25 mg/m <sup>3</sup> | 182,75 mg/m <sup>3</sup> | 10,2 mg/m <sup>3</sup> | Non-applicable |
| reaction product: bisphenol-A-(epichlorhydrin) ( MW < 700 )<br>CAS: 25068-38-6<br>EC: 500-033-5 | Oral       | Non-applicable           | Non-applicable           | 0,5 mg/kg              | Non-applicable |
|   | Dermal     | Non-applicable           | Non-applicable           | 0,0893 mg/kg           | Non-applicable |
|   | Inhalation | Non-applicable           | Non-applicable           | 0,87 mg/m <sup>3</sup> | Non-applicable |

**PNEC:**

| Identification  |              |                |                         |             |
|---|--------------|----------------|-------------------------|-------------|
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5   | STP          | 5 mg/L         | Fresh water             | 0,028 mg/L  |
|   | Soil         | 0,2 mg/kg      | Marine water            | 0,014 mg/L  |
|   | Intermittent | 0,04 mg/L      | Sediment (Fresh water)  | 0,614 mg/kg |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,307 mg/kg |
| reaction product: bisphenol-A-(epichlorhydrin) ( MW < 700 )<br>CAS: 25068-38-6<br>EC: 500-033-5 | STP          | 10 mg/L        | Fresh water             | 0,006 mg/L  |
|   | Soil         | 0,065 mg/kg    | Marine water            | 0,001 mg/L  |
|   | Intermittent | 0,018 mg/L     | Sediment (Fresh water)  | 0,341 mg/kg |
|   | Oral         | 0,011 g/kg     | Sediment (Marine water) | 0,034 mg/kg |



**8.2 Exposure controls:**

**A.- General security and hygiene measures in the work place**



In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the occupational exposure limits. In case of using personal protective equipment it should have CE marking in accordance with Directive 2016/425/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional 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  |
|---|-----------------------------------|---|---------------------|--|
| <br>Mandatory respiratory tract protection | Filter mask for gases and vapours |  | 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  |
|--|---|---|---|--|
| <br>Mandatory hand protection | NON-disposable chemical protective gloves |  | EN ISO 374-1:2016+A1:2018<br>EN 16523-1:2015+A1:2018<br>EN 420:2004+A1:2010 | The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. |

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

**D.- Ocular and facial protection**





| Pictogram  | PPE         | Labelling   | CEN Standard  | Remarks   |
|--|-------------|---|---|---|
| <br>Mandatory face protection | Face shield |  | EN 166:2002<br>EN 167:2002<br>EN 168:2002<br>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**



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**SZPACHLÓWKA UNIWERSALNA - UNIVERSAL PUTTY**

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

| Pictogram   | PPE   | Labelling   | CEN Standard  | Remarks   |
|---|---|---|---|---|
| <br>Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties |  | EN 1149-1,2,3<br>EN 13034:2005+A1:2009<br>EN ISO 13982-1:2004/A1:2010<br>EN ISO 6529:2013<br>EN ISO 6530:2005<br>EN ISO 13688:2013<br>EN 464:1994 | For professional use only. Clean periodically according to the manufacturer's instructions. |
| <br>Mandatory foot protection          | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties |  | EN ISO 13287:2013<br>EN ISO 20345:2011<br>EN 13832-1:2019   | Replace boots at any sign of deterioration.   |

F.- Additional emergency measures

| Emergency measure   | Standards                                       | Emergency measure  | Standards                                      |
|---|---|--|--|
| <br>Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 | <br>Eyewash stations | DIN 12 899<br>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: Thixotropic  
 Colour:  Yellow  
 Odour: Aromatic  
 Odour threshold: Non-applicable \*

**Volatility:**

Boiling point at atmospheric pressure: 145 °C  
 Vapour pressure at 20 °C: 665 Pa  
 Vapour pressure at 50 °C: Non-applicable \*  
 Evaporation rate at 20 °C: Non-applicable \*

**Product description:**

Density at 20 °C: 1780 - 1880 kg/m<sup>3</sup>  
 Relative density at 20 °C: 1,78 - 1,88  
 Dynamic viscosity at 20 °C: 320000 - 450000 cP  
 Kinematic viscosity at 20 °C: Non-applicable \*  
 Kinematic viscosity at 40 °C: >20,5 cSt  
 Concentration: Non-applicable \*  
 pH: Non-applicable \*  
 Vapour density at 20 °C: Non-applicable \*  
 Partition coefficient n-octanol/water 20 °C: 2,96  
 Solubility in water at 20 °C: Non-applicable \*

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

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## Safety data sheet

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### SZPACHLÓWKA UNIWERSALNA - UNIVERSAL PUTTY

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

|                               |                    |
|-------------------------------|--------------------|
| Solubility properties:        | Insoluble in water |
| Decomposition temperature:    | Non-applicable *   |
| Melting point/freezing point: | Non-applicable *   |
| Explosive properties:         | Non-applicable *   |
| Oxidising properties:         | Non-applicable *   |

#### Flammability:

|                            |                  |
|----------------------------|------------------|
| Flash Point:               | 32 °C            |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature:  | 490 °C           |
| Lower flammability limit:  | 0,9 % Volume     |
| Upper flammability limit:  | ≥6,1 % Volume    |

#### Explosive:

|                        |                  |
|------------------------|------------------|
| Lower explosive limit: | Non-applicable * |
| Upper explosive limit: | Non-applicable * |

#### 9.2 Other information:

|                           |                  |
|---------------------------|------------------|
| Surface tension at 20 °C: | Non-applicable * |
| Refraction index:         | Non-applicable * |

VOC value (VOC) <250 g/l.  
VOC limit value: 250 g/l

\*Not relevant 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.

##### 10.2 Chemical stability:

Chemically stable under the 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   | Risk of combustion      | Avoid direct impact | Not applicable |

##### 10.5 Incompatible materials:

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

##### 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 (CO<sub>2</sub>), carbon monoxide and other organic compounds.

#### SECTION 11: TOXICOLOGICAL INFORMATION \*\*

##### 11.1 Information on toxicological effects:

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

##### Dangerous health implications:

\*\* Changes with regards to the previous version

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**SZPACHLÓWKA UNIWERSALNA - UNIVERSAL PUTTY****SECTION 11: TOXICOLOGICAL INFORMATION \*\* (continued)**

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: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

**B- Inhalation (acute effect):**

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

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

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

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

- Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.  
IARC: styrene (2A); Titanium dioxide (aerodynamic diameter  $\leq 10 \mu\text{m}$ ) (2B)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Suspected of damaging the unborn child.

**E- Sensitizing effects:**

- Respiratory: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: 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 dangerous for inhalation. For more information see section 3.

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

- Specific target organ toxicity (STOT)-repeated exposure: Serious health effects in the case of prolonged inhalation, including death, serious functional disorders or morphological changes of toxicological importance.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. 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 dangerous for this effect. For more information see section 3.

**Other information:**

CAS 13463-67-7 Titanium dioxide (aerodynamic diameter  $\leq 10 \mu\text{m}$ ): The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter  $\leq 10 \mu\text{m}$

**Specific toxicology information on the substances:**

| Identification   | Acute toxicity  |                 | Genus  |
|--|-----------------|-----------------|--------|
|  | LD50 oral       | LD50 dermal     |        |
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5  | LD50 oral       | >2000 mg/kg     |        |
|  | LD50 dermal     | >2000 mg/kg     |        |
|  | LC50 inhalation | 11,8 mg/L (4 h) | Rat    |
| Titanium dioxide (aerodynamic diameter $\leq 10 \mu\text{m}$ )<br>CAS: 13463-67-7<br>EC: 236-675-5 | LD50 oral       | 10000 mg/kg     | Rat    |
|  | LD50 dermal     | 10000 mg/kg     | Rabbit |
|  | LC50 inhalation | >5 mg/L (4 h)   |        |
| reaction product: bisphenol-A-(epichlorhydrin) ( MW < 700 )<br>CAS: 25068-38-6<br>EC: 500-033-5    | LD50 oral       | >2000 mg/kg     |        |
|  | LD50 dermal     | >2000 mg/kg     |        |
|  | LC50 inhalation | >5 mg/L         |        |

\*\* Changes with regards to the previous version

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**SZPACHLÓWKA UNIWERSALNA - UNIVERSAL PUTTY**

**SECTION 11: TOXICOLOGICAL INFORMATION \*\* (continued)**

| Identification   | Acute toxicity  |             | Genus |
|------------------|-----------------|-------------|-------|
| maleic anhydride | LD50 oral       | >2000 mg/kg |       |
| CAS: 108-31-6    | LD50 dermal     | >2000 mg/kg |       |
| EC: 203-571-6    | LC50 inhalation | >5 mg/L     |       |

\*\* 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

**12.1 Toxicity:**

| Identification  | Acute toxicity |                    | Species                | Genus      |
|---|----------------|--------------------|------------------------|------------|
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5   | LC50           | 64.7 mg/L (96 h)   | Carassius auratus      | Fish       |
|   | EC50           | 4.7 mg/L (48 h)    | Daphnia magna          | Crustacean |
|   | EC50           | 67 mg/L (192 h)    | Microcystis aeruginosa | Algae      |
| reaction product: bisphenol-A-(epichlorhydrin) ( MW < 700 )<br>CAS: 25068-38-6<br>EC: 500-033-5 | LC50           | 1 - 10 mg/L (96 h) |                        | Fish       |
|   | EC50           | 1 - 10 mg/L        |                        | Crustacean |
|   | EC50           | 1 - 10 mg/L        |                        | Algae      |

**12.2 Persistence and degradability:**

| Identification  | Degradability |                | Biodegradability |          |
|---|---------------|----------------|------------------|----------|
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5   | BOD5          | 1.96 g O2/g    | Concentration    | 100 mg/L |
|   | COD           | 2.8 g O2/g     | Period           | 14 days  |
|   | BOD5/COD      | 0.7            | % Biodegradable  | 100 %    |
| reaction product: bisphenol-A-(epichlorhydrin) ( MW < 700 )<br>CAS: 25068-38-6<br>EC: 500-033-5 | BOD5          | Non-applicable | Concentration    | 100 mg/L |
|   | COD           | Non-applicable | Period           | 28 days  |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 0 %      |

**12.3 Bioaccumulative potential:**

| Identification  | Bioaccumulation potential |      |
|---|---------------------------|------|
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5   | BCF                       | 14   |
|   | Pow Log                   | 2.95 |
|   | Potential                 | Low  |
| reaction product: bisphenol-A-(epichlorhydrin) ( MW < 700 )<br>CAS: 25068-38-6<br>EC: 500-033-5 | BCF                       | 4    |
|   | Pow Log                   | 2.8  |
|   | Potential                 | Low  |

**12.4 Mobility in soil:**

| Identification                                     | Absorption/desorption |                          | Volatility |                |
|--|-----------------------|--------------------------|------------|----------------|
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5          | Koc                   | Non-applicable           | Henry      | Non-applicable |
|  | Conclusion            | Non-applicable           | Dry soil   | Non-applicable |
|  | Surface tension       | 3,21E-2 N/m (25 °C)      | Moist soil | Non-applicable |
| maleic anhydride<br>CAS: 108-31-6<br>EC: 203-571-6 | Koc                   | Non-applicable           | Henry      | Non-applicable |
|  | Conclusion            | Non-applicable           | Dry soil   | Non-applicable |
|  | Surface tension       | 1,673E-2 N/m (250,21 °C) | Moist soil | Non-applicable |

**12.5 Results of PBT and vPvB assessment:**

Product fails to meet PBT/vPvB criteria

**12.6 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

- CONTINUED ON NEXT PAGE -



## Safety data sheet

This SDS is an English translation of Regulation (EU) n° 2015/830, without any country-specific legislation

### SZPACHLÓWKA UNIWERSALNA - UNIVERSAL PUTTY

#### 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 | Dangerous                                  |

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

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP10 Toxic for reproduction, 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-dangerous residue. We do not recommend disposal down the drain. 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

The universal putty has a Classification Certificate No. 125/IPO-BC/2011. It is not subject to RID and ADR regulations on the transport of dangerous goods.

This product is not regulated for transport (ADR/RID,IMDG,IATA)

#### SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

##### Seveso III:

| Section | Description       | Lower-tier requirements | Upper-tier requirements |
|---------|-------------------|-------------------------|-------------------------|
| P5c     | FLAMMABLE LIQUIDS | 5000                    | 50000                   |

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

- CONTINUED ON NEXT PAGE -

**SZPACHLÓWKA UNIWERSALNA - UNIVERSAL PUTTY****SECTION 15: REGULATORY INFORMATION (continued)**

Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:

- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- "whoopee" cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:

'For professional users only'.

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 (Regulation (EC) No 2015/830).

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

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

- New declared substances  
Titanium dioxide (aerodynamic diameter  $\leq 10 \mu\text{m}$ ) (13463-67-7)

Substances that contribute to the classification (SECTION 2):

- New declared substances  
Titanium dioxide (aerodynamic diameter  $\leq 10 \mu\text{m}$ ) (13463-67-7)

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

- Hazard statements
- Supplementary information

**Texts of the legislative phrases mentioned in section 2:**

H315: Causes skin irritation  
H361d: Suspected of damaging the unborn child  
H372: Causes damage to organs through prolonged or repeated exposure (Inhalation)  
H317: May cause an allergic skin reaction  
H351: Suspected of causing cancer (Inhalation)  
H226: Flammable liquid and vapour  
H319: Causes serious eye irritation

**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:**

\*\* Changes with regards to the previous version

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## Safety data sheet

This SDS is an English translation of Regulation (EU) n° 2015/830, without any country-specific legislation

### SZPACHLÓWKA UNIWERSALNA - UNIVERSAL PUTTY

#### SECTION 16: OTHER INFORMATION \*\* (continued)

Acute Tox. 4: H302 - Harmful if swallowed  
Acute Tox. 4: H332 - Harmful if inhaled  
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects  
Aquatic Chronic 3: H412 - Harmful 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 (Inhalation)  
Eye Dam. 1: H318 - Causes serious eye damage  
Eye Irrit. 2: H319 - Causes serious eye irritation  
Flam. Liq. 3: H226 - Flammable liquid and vapour  
Repr. 2: H361d - Suspected of damaging the unborn child  
Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
Skin Corr. 1B: 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  
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure  
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation)  
STOT SE 3: H335 - May cause respiratory irritation

#### Classification procedure:

Skin Irrit. 2: Calculation method  
Repr. 2: Calculation method  
STOT RE 1: Calculation method  
Skin Sens. 1A: Calculation method  
Flam. Liq. 3: Calculation method (2.6.4.3)  
Eye Irrit. 2: Calculation method

#### Advice related to training:

Minimal 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: 5-day biochemical oxygen demand  
BCF: Bioconcentration factor  
LD50: Lethal Dose 50  
LC50: Lethal Concentration 50  
EC50: Effective concentration 50  
Log-POW: Octanol-water partition coefficient  
Koc: Partition coefficient of organic carbon

\*\* 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 -