

**408110001 - PROTEK POLIURETANO 2112 GLASS BRILLO  
BASE TR STI**



**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** 408110001 - PROTEK POLIURETANO 2112 GLASS BRILLO BASE TR STI  
**Other means of identification:**  
**UFI:** NHX4-V0DU-N005-JM0J
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
 Relevant uses (Consumer use): Industrial paint  
 Relevant uses (Professional users): Industrial paint  
 Relevant uses (Industrial user): Industrial paint  
 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:**  
 EUPINCA  
 C/ Londres, 13 - Pol. Ind. Cabezo Beaza  
 30353 Cartagena - Murcia - España  
 Phone: +34 968089000  
 info@grupotkrom.com  
 https://www.tkrom.com/
- 1.4 Emergency telephone number:** +34 968 08 90 00 (Oficce hours)

**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.  
 Acute Tox. 4: Acute toxicity, Category 4, H312+H332  
 Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412  
 Eye Irrit. 2: Eye irritation, Category 2, H319  
 Flam. Liq. 3: Flammable liquids, Category 3, H226  
 Skin Irrit. 2: Skin irritation, Category 2, H315  
 Skin Sens. 1A: Sensitisation, skin, Category 1A, H317  
 STOT RE 2: Specific target organ toxicity — Repeated exposure, Hazard Category 2 (Oral), H373  
 STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Warning**  
  
**Hazard statements:**  
 Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.  
 Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Flam. Liq. 3: H226 - Flammable liquid and vapour.  
 Skin Irrit. 2: H315 - Causes skin irritation.  
 Skin Sens. 1A: H317 - May cause an allergic skin reaction.  
 STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral). Organs affected: All gross lesions and masses.  
 STOT SE 3: H335 - May cause respiratory irritation.  
**Precautionary statements:**

\*\* Changes with regards to the previous version

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BASE TR STI****SECTION 2: HAZARDS IDENTIFICATION \*\* (continued)**

P101: If medical advice is needed, have product container or label at hand.  
 P102: Keep out of reach of children.  
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P264: Wash thoroughly after handling.  
 P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.  
 P501: Dispose of contents/container according to the separated collection system used in your municipality.

**Supplementary information:**

Contains Fatty acids, C14-18 and C16-18-unsatd., maleated.

**Substances that contribute to the classification**

Reaction mass of ethylbenzene and m-xylene and p-xylene; Hydrocarbons, C9, aromatics; 2,3-epoxypropyl neodecanoate; maleic anhydride

**2.3 Other hazards:**

Product does not meet PBT/vPvB criteria

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

**\*\* Changes with regards to the previous version**

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

Not relevant

**3.2 Mixture:**

**Chemical description:** Mixture composed of additives, pigments and resins

**Components:**

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

| Identification                                                                            | Chemical name/Classification                                                 |                                                                                                                                                                                                                                                                   | Concentration         |
|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| CAS: Not relevant<br>EC: 905-562-9<br>Index: Not relevant<br>REACH: 01-2119555267-33-XXXX | <b>Reaction mass of ethylbenzene and m-xylene and p-xylene<sup>(1)</sup></b> | Self-classified                                                                                                                                                                                                                                                   | <b>10 - &lt;25%</b>   |
|                                                                                           | Regulation 1272/2008                                                         | Acute Tox. 4: H312+H332; Aquatic Chronic 3: H412; 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  |                       |
| CAS: 123-86-4<br>EC: 204-658-1<br>Index: 607-025-00-1<br>REACH: 01-2119485493-29-XXXX     | <b>N-butyl acetate<sup>(1)</sup></b>                                         | ATP CLP00                                                                                                                                                                                                                                                         | <b>5 - &lt;10%</b>    |
|                                                                                           | Regulation 1272/2008                                                         | Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning                                                                                                                        |                       |
| CAS: 128601-23-0<br>EC: 918-668-5<br>Index: Not relevant<br>REACH: 01-2119455851-35-XXXX  | <b>Hydrocarbons, C9, aromatics<sup>(1)</sup></b>                             | Self-classified                                                                                                                                                                                                                                                   | <b>5 - &lt;10%</b>    |
|                                                                                           | Regulation 1272/2008                                                         | Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; STOT SE 3: H336; EUH066 - Danger                                                            |                       |
| CAS: 108-65-6<br>EC: 203-603-9<br>Index: 607-195-00-7<br>REACH: 01-2119475791-29-XXXX     | <b>2-methoxy-1-methylethyl acetate<sup>(1)</sup></b>                         | Self-classified                                                                                                                                                                                                                                                   | <b>2.5 - &lt;5%</b>   |
|                                                                                           | Regulation 1272/2008                                                         | Flam. Liq. 3: H226; STOT SE 3: H336 - Warning                                                                                                                                |                       |
| CAS: 26761-45-5<br>EC: 247-979-2<br>Index: 607-770-00-2<br>REACH: 01-2119431597-33-XXXX   | <b>2,3-epoxypropyl neodecanoate<sup>(1)</sup></b>                            | ATP ATP22                                                                                                                                                                                                                                                         | <b>0.1 - &lt;0.5%</b> |
|                                                                                           | Regulation 1272/2008                                                         | Muta. 2: H341; Skin Sens. 1A: H317 - Warning                                                                                                                                 |                       |
| CAS: 85711-46-2<br>EC: 288-306-2<br>Index: Not relevant<br>REACH: Not relevant            | <b>Fatty acids, C14-18 and C16-18-unsatd., maleated<sup>(1)</sup></b>        | Self-classified                                                                                                                                                                                                                                                   | <b>0.1 - &lt;0.5%</b> |
|                                                                                           | Regulation 1272/2008                                                         | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning                                                                                                       |                       |

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

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**408110001 - PROTEK POLIURETANO 2112 GLASS BRILLO  
BASE TR STI****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)**

| Identification                                                                        | Chemical name/Classification                                                                                                                                                                                  | Concentration    |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 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. 1A: H317; STOT RE 1: H372; EUH071 - Danger | <b>&lt;0.01%</b> |

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

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

**Other information:**

| Identification                                                   | Specific concentration limit          |
|------------------------------------------------------------------|---------------------------------------|
| 2,3-epoxypropyl neodecanoate<br>CAS: 26761-45-5<br>EC: 247-979-2 | % (w/w) >=0,001: Skin Sens. 1A - H317 |
| maleic anhydride<br>CAS: 108-31-6<br>EC: 203-571-6               | % (w/w) >=0,001: Skin Sens. 1A - H317 |

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 m-xylene and p-xylene<br>CAS: Not relevant<br>EC: 905-562-9 | LD50 oral              | Not relevant |
|                                                                                               | LD50 dermal            | 1100 mg/kg   |
|                                                                                               | LC50 inhalation vapour | 11 mg/L      |
| maleic anhydride<br>CAS: 108-31-6<br>EC: 203-571-6                                            | LD50 oral              | 1090 mg/kg   |
|                                                                                               | LD50 dermal            | Not relevant |
|                                                                                               | LC50 inhalation vapour | 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 relevant

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

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Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

**Unsuitable extinguishing media:**

Water jet

**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/EEC.

**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:**

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. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**For emergency responders:**

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

**6.2 Environmental precautions:**

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

**6.3 Methods and material for containment and cleaning up:**

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

**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. 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.

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## SECTION 7: HANDLING AND STORAGE (continued)

### 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 on general occupational hygiene

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

### D.- Technical recommendations to prevent environmental risks

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

## 7.2 Conditions for safe storage, including any incompatibilities:

### A.- Specific storage requirements

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

### 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 |         |                       |
|--------------------------------------------------------------------------------------------|------------------------------|---------|-----------------------|
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Not relevant EC: 905-562-9 | IOELV (8h)                   | 50 ppm  | 221 mg/m <sup>3</sup> |
|                                                                                            | IOELV (STEL)                 | 100 ppm | 442 mg/m <sup>3</sup> |
| N-butyl acetate<br>CAS: 123-86-4 EC: 204-658-1                                             | IOELV (8h)                   | 50 ppm  | 241 mg/m <sup>3</sup> |
|                                                                                            | IOELV (STEL)                 | 150 ppm | 723 mg/m <sup>3</sup> |
| 2-methoxy-1-methylethyl acetate <sup>(1)</sup><br>CAS: 108-65-6 EC: 203-603-9              | IOELV (8h)                   | 50 ppm  | 275 mg/m <sup>3</sup> |
|                                                                                            | IOELV (STEL)                 | 100 ppm | 550 mg/m <sup>3</sup> |

<sup>(1)</sup> Skin

### DNEL (Workers):

| Identification                                                                                |            | Short exposure        |                       | Long exposure         |                       |
|-----------------------------------------------------------------------------------------------|------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                                                                                               |            | Systemic              | Local                 | Systemic              | Local                 |
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Not relevant<br>EC: 905-562-9 | Oral       | Not relevant          | Not relevant          | Not relevant          | Not relevant          |
|                                                                                               | Dermal     | Not relevant          | Not relevant          | 212 mg/kg             | Not relevant          |
|                                                                                               | Inhalation | 442 mg/m <sup>3</sup> | 442 mg/m <sup>3</sup> | 221 mg/m <sup>3</sup> | 221 mg/m <sup>3</sup> |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                                             | Oral       | Not relevant          | Not relevant          | Not relevant          | Not relevant          |
|                                                                                               | Dermal     | 11 mg/kg              | Not relevant          | 11 mg/kg              | Not relevant          |
|                                                                                               | Inhalation | 600 mg/m <sup>3</sup> | 600 mg/m <sup>3</sup> | 300 mg/m <sup>3</sup> | 300 mg/m <sup>3</sup> |
| Hydrocarbons, C9, aromatics<br>CAS: 128601-23-0<br>EC: 918-668-5                              | Oral       | Not relevant          | Not relevant          | Not relevant          | Not relevant          |
|                                                                                               | Dermal     | Not relevant          | Not relevant          | 25 mg/kg              | Not relevant          |
|                                                                                               | Inhalation | Not relevant          | Not relevant          | 150 mg/m <sup>3</sup> | Not relevant          |

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

| Identification                                                                       |            | Short exposure          |                       | Long exposure           |                         |
|--------------------------------------------------------------------------------------|------------|-------------------------|-----------------------|-------------------------|-------------------------|
|                                                                                      |            | Systemic                | Local                 | Systemic                | Local                   |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9                    | Oral       | Not relevant            | Not relevant          | Not relevant            | Not relevant            |
|                                                                                      | Dermal     | Not relevant            | Not relevant          | 796 mg/kg               | Not relevant            |
|                                                                                      | Inhalation | Not relevant            | 550 mg/m <sup>3</sup> | 275 mg/m <sup>3</sup>   | Not relevant            |
| 2,3-epoxypropyl neodecanoate<br>CAS: 26761-45-5<br>EC: 247-979-2                     | Oral       | Not relevant            | Not relevant          | Not relevant            | Not relevant            |
|                                                                                      | Dermal     | Not relevant            | Not relevant          | 4,2 mg/kg               | Not relevant            |
|                                                                                      | Inhalation | 11,76 mg/m <sup>3</sup> | Not relevant          | 5,88 mg/m <sup>3</sup>  | Not relevant            |
| Fatty acids, C14-18 and C16-18-unsatd., maleated<br>CAS: 85711-46-2<br>EC: 288-306-2 | Oral       | Not relevant            | Not relevant          | Not relevant            | Not relevant            |
|                                                                                      | Dermal     | Not relevant            | Not relevant          | 3 mg/kg                 | Not relevant            |
|                                                                                      | Inhalation | Not relevant            | Not relevant          | Not relevant            | Not relevant            |
| maleic anhydride<br>CAS: 108-31-6<br>EC: 203-571-6                                   | Oral       | Not relevant            | Not relevant          | Not relevant            | Not relevant            |
|                                                                                      | Dermal     | Not relevant            | Not relevant          | Not relevant            | Not relevant            |
|                                                                                      | Inhalation | 0,2 mg/m <sup>3</sup>   | 0,2 mg/m <sup>3</sup> | 0,081 mg/m <sup>3</sup> | 0,081 mg/m <sup>3</sup> |

**DNEL (General population):**

| Identification                                                                                |            | Short exposure        |                       | Long exposure          |                        |
|-----------------------------------------------------------------------------------------------|------------|-----------------------|-----------------------|------------------------|------------------------|
|                                                                                               |            | Systemic              | Local                 | Systemic               | Local                  |
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Not relevant<br>EC: 905-562-9 | 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 <sup>3</sup> | 260 mg/m <sup>3</sup> | 65,3 mg/m <sup>3</sup> | 65,3 mg/m <sup>3</sup> |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                                             | Oral       | 2 mg/kg               | Not relevant          | 2 mg/kg                | Not relevant           |
|                                                                                               | Dermal     | 6 mg/kg               | Not relevant          | 6 mg/kg                | Not relevant           |
|                                                                                               | Inhalation | 300 mg/m <sup>3</sup> | 300 mg/m <sup>3</sup> | 35,7 mg/m <sup>3</sup> | 35,7 mg/m <sup>3</sup> |
| Hydrocarbons, C9, aromatics<br>CAS: 128601-23-0<br>EC: 918-668-5                              | Oral       | Not relevant          | Not relevant          | 11 mg/kg               | Not relevant           |
|                                                                                               | Dermal     | Not relevant          | Not relevant          | 11 mg/kg               | Not relevant           |
|                                                                                               | Inhalation | Not relevant          | Not relevant          | 32 mg/m <sup>3</sup>   | Not relevant           |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9                             | Oral       | Not relevant          | Not relevant          | 36 mg/kg               | Not relevant           |
|                                                                                               | Dermal     | Not relevant          | Not relevant          | 320 mg/kg              | Not relevant           |
|                                                                                               | Inhalation | Not relevant          | Not relevant          | 33 mg/m <sup>3</sup>   | 33 mg/m <sup>3</sup>   |
| 2,3-epoxypropyl neodecanoate<br>CAS: 26761-45-5<br>EC: 247-979-2                              | Oral       | Not relevant          | Not relevant          | Not relevant           | Not relevant           |
|                                                                                               | Dermal     | Not relevant          | Not relevant          | 2,5 mg/kg              | Not relevant           |
|                                                                                               | Inhalation | Not relevant          | Not relevant          | 4 mg/m <sup>3</sup>    | Not relevant           |
| Fatty acids, C14-18 and C16-18-unsatd., maleated<br>CAS: 85711-46-2<br>EC: 288-306-2          | Oral       | Not relevant          | Not relevant          | 1,5 mg/kg              | Not relevant           |
|                                                                                               | Dermal     | Not relevant          | Not relevant          | 1,5 mg/kg              | Not relevant           |
|                                                                                               | Inhalation | Not relevant          | Not relevant          | Not relevant           | Not relevant           |

**PNEC:**

| Identification                                                                                |              |              |                         |
|-----------------------------------------------------------------------------------------------|--------------|--------------|-------------------------|
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Not relevant<br>EC: 905-562-9 | STP          | 6,58 mg/L    | Fresh water             |
|                                                                                               | Soil         | 2,31 mg/kg   | Marine water            |
|                                                                                               | Intermittent | 0,327 mg/L   | Sediment (Fresh water)  |
|                                                                                               | Oral         | Not relevant | Sediment (Marine water) |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                                             | STP          | 35,6 mg/L    | Fresh water             |
|                                                                                               | Soil         | 0,09 mg/kg   | Marine water            |
|                                                                                               | Intermittent | 0,36 mg/L    | Sediment (Fresh water)  |
|                                                                                               | Oral         | Not relevant | Sediment (Marine water) |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9                             | STP          | 100 mg/L     | Fresh water             |
|                                                                                               | Soil         | 0,29 mg/kg   | Marine water            |
|                                                                                               | Intermittent | 6,35 mg/L    | Sediment (Fresh water)  |
|                                                                                               | Oral         | Not relevant | Sediment (Marine water) |
| 2,3-epoxypropyl neodecanoate<br>CAS: 26761-45-5<br>EC: 247-979-2                              | STP          | 50 mg/L      | Fresh water             |
|                                                                                               | Soil         | Not relevant | Marine water            |
|                                                                                               | Intermittent | 0,012 mg/L   | Sediment (Fresh water)  |
|                                                                                               | Oral         | Not relevant | Sediment (Marine water) |

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BASE TR STI**



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

| Identification                                                                       |              |              |                         |              |
|--------------------------------------------------------------------------------------|--------------|--------------|-------------------------|--------------|
| Fatty acids, C14-18 and C16-18-unsatd., maleated<br>CAS: 85711-46-2<br>EC: 288-306-2 | STP          | Not relevant | Fresh water             | Not relevant |
|                                                                                      | Soil         | Not relevant | Marine water            | Not relevant |
|                                                                                      | Intermittent | Not relevant | Sediment (Fresh water)  | Not relevant |
|                                                                                      | Oral         | 0,067 g/kg   | Sediment (Marine water) | Not relevant |
| maleic anhydride<br>CAS: 108-31-6<br>EC: 203-571-6                                   | STP          | 44,6 mg/L    | Fresh water             | 0,038 mg/L   |
|                                                                                      | Soil         | 0,037 mg/kg  | Marine water            | 0,004 mg/L   |
|                                                                                      | Intermittent | 0,379 mg/L   | Sediment (Fresh water)  | 0,296 mg/kg  |
|                                                                                      | Oral         | Not relevant | Sediment (Marine water) | 0,03 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                                                                                                                                                              |
|--------------------------------------------|----------------------------------------------------|-------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>Mandatory respiratory tract protection | Filter mask for gases and vapours (Filter type: A) | <br>CAT III | EN 405:2001+A1:2009 | 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 | Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.7 mm) | <br>CAT III | EN ISO 21420:2020 | Replace the gloves at any sign of deterioration. |

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

**D.- Eye and face protection**

| Pictogram                     | PPE         | Labelling  | CEN Standard                                                                                                                | Remarks                                                                                                                   |
|-------------------------------|-------------|------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <br>Mandatory face protection | Face shield | <br>CAT II | EN ISO 16321-1:2022 + EN ISO 16321-3:2022<br>EN ISO 18526-(1,2,3,4):2020<br>EN ISO 18526-(1,2,3,4):2020<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**

| Pictogram                              | PPE                                                                                                 | Labelling   | CEN Standard                                                                                                                                           | Remarks                                                                                     |
|----------------------------------------|-----------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <br>Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties | <br>CAT III | EN 1149-1,2,3<br>EN 13034:2005+A1:2009<br>EN ISO 13982-1:2004/A1:2010<br>ISO 6529:2013<br>EN ISO 6530:2005<br>EN ISO 13688:2013/A1:2021<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 | <br>CAT III | EN ISO 13287:2019<br>EN ISO 20345:2022<br>EN 13832-1:2018                                                                                              | Replace boots at any sign of deterioration.                                                 |

**F.- Additional emergency measures**

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

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

| 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:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

### Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

|                           |                                       |
|---------------------------|---------------------------------------|
| V.O.C. (Supply):          | 37,1 % weight                         |
| V.O.C. density at 20 °C:  | 422,08 kg/m <sup>3</sup> (422,08 g/L) |
| Average carbon number:    | 7,52                                  |
| Average molecular weight: | 113,48 g/mol                          |

With regard to Directive 2004/42/EC, this product which is ready to use has the following characteristics:

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| V.O.C. density at 20 °C:             | 422,53 kg/m <sup>3</sup> (422,53 g/L) |
| EU limit for the product (Cat. A.J): | 500 g/L (2010)                        |
| Components:                          | Not relevant                          |

## 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:              | Viscous        |
| Colour:                  | Colourless     |
| Odour:                   | Not relevant * |
| Odour threshold:         | Not relevant * |

#### Volatility:

|                                        |                       |
|----------------------------------------|-----------------------|
| Boiling point at atmospheric pressure: | 140 °C                |
| Vapour pressure at 20 °C:              | 742 Pa                |
| Vapour pressure at 50 °C:              | 3972,36 Pa (3,97 kPa) |
| Evaporation rate at 20 °C:             | Not relevant *        |

#### Product description:

|                                              |                          |
|----------------------------------------------|--------------------------|
| Density at 20 °C:                            | 1137,7 kg/m <sup>3</sup> |
| Relative density at 20 °C:                   | 1,138                    |
| Dynamic viscosity at 20 °C:                  | Not relevant *           |
| Kinematic viscosity at 20 °C:                | Not relevant *           |
| Kinematic viscosity at 40 °C:                | >20,5 mm <sup>2</sup> /s |
| Concentration:                               | Not relevant *           |
| pH:                                          | Not relevant *           |
| Relative vapour density at 20 °C:            | Not relevant *           |
| Partition coefficient n-octanol/water 20 °C: | Not relevant *           |
| Solubility in water at 20 °C:                | Not relevant *           |
| Solubility properties:                       | Not relevant *           |

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

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**408110001 - PROTEK POLIURETANO 2112 GLASS BRILLO  
BASE TR STI****SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

Decomposition temperature: Not relevant \*

Melting point/freezing point: Not relevant \*

**Flammability:**

Flash Point: 29 °C

Flammability (solid, gas): Not relevant \*

Autoignition temperature: 315 °C

Lower flammability limit: Not relevant \*

Upper flammability limit: Not relevant \*

**Particle characteristics:**

Median equivalent diameter: Not relevant \*

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

Explosive properties: Not relevant \*

Oxidising properties: Not relevant \*

Corrosive to metals: Not relevant \*

Heat of combustion: Not relevant \*

Aerosols-total percentage (by mass) of flammable components: Not relevant \*

**Other safety characteristics:**

Surface tension at 20 °C: Not relevant \*

Refraction index: Not relevant \*

\*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 from Safety Data Sheet.

**10.2 Chemical stability:**

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

**10.3 Possibility of hazardous reactions:**

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

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight            | Humidity       |
|--------------------|------------------|-------------------------|---------------------|----------------|
| Not applicable     | Not applicable   | 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 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

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**408110001 - PROTEK POLIURETANO 2112 GLASS BRILLO  
BASE TR STI****SECTION 11: TOXICOLOGICAL INFORMATION (continued)****Dangerous health implications:**

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

**A- Ingestion (acute effect):**

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

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

- Acute toxicity : Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- 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: Causes serious eye irritation.

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

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.  
IARC: Hydrocarbons, C9, aromatics (3: Not classifiable as to its carcinogenicity to humans); Reaction mass of ethylbenzene and m-xylene and p-xylene (3: Not classifiable as to its carcinogenicity to humans); Distillates (petroleum), hydrotreated light (< 0.01 kPa, 20°C) (3: Not classifiable as to its carcinogenicity to humans)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**E- Sensitizing effects:**

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

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

Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

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

- Specific target organ toxicity (STOT)-repeated exposure: Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness. Organs affected: All gross lesions and masses.
- 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

**Specific toxicology information on the substances:**

| Identification                                                   | Acute toxicity         |                 | Genus  |
|------------------------------------------------------------------|------------------------|-----------------|--------|
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                | LD50 oral              | 12789 mg/kg     | Rat    |
|                                                                  | LD50 dermal            | 14112 mg/kg     | Rabbit |
|                                                                  | LC50 inhalation vapour | 23,4 mg/L (4 h) | Rat    |
| Hydrocarbons, C9, aromatics<br>CAS: 128601-23-0<br>EC: 918-668-5 | LD50 oral              | >3492 mg/kg     | Rat    |
|                                                                  | LD50 dermal            |                 |        |
|                                                                  | LC50 inhalation vapour |                 |        |

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**408110001 - PROTEK POLIURETANO 2112 GLASS BRILLO  
BASE TR STI****SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

| Identification                                                                                | Acute toxicity         |               | Genus |
|-----------------------------------------------------------------------------------------------|------------------------|---------------|-------|
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Not relevant<br>EC: 905-562-9 | LD50 oral              | 2100 mg/kg    | Rat   |
|                                                                                               | LD50 dermal            | 1100 mg/kg    | Rat   |
|                                                                                               | LC50 inhalation vapour | 11 mg/L       |       |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9                             | LD50 oral              | 8532 mg/kg    | Rat   |
|                                                                                               | LD50 dermal            | >5000 mg/kg   | Rat   |
|                                                                                               | LC50 inhalation vapour | 30 mg/L (4 h) | Rat   |
| 2,3-epoxypropyl neodecanoate<br>CAS: 26761-45-5<br>EC: 247-979-2                              | LD50 oral              | 970000 mg/kg  | Rat   |
|                                                                                               | LD50 dermal            |               |       |
|                                                                                               | LC50 inhalation vapour |               |       |
| maleic anhydride<br>CAS: 108-31-6<br>EC: 203-571-6                                            | LD50 oral              | 1090 mg/kg    | Rat   |
|                                                                                               | LD50 dermal            |               |       |
|                                                                                               | LC50 inhalation dust   |               |       |

**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

Harmful to aquatic life with long lasting effects.

**12.1 Toxicity:****Acute toxicity:**

| Identification                                                                                | Concentration              | Species                   | Genus      |
|-----------------------------------------------------------------------------------------------|----------------------------|---------------------------|------------|
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Not relevant<br>EC: 905-562-9 | LC50 >10 - 100 mg/L (96 h) |                           | Fish       |
|                                                                                               | EC50 >10 - 100 mg/L (48 h) |                           | Crustacean |
|                                                                                               | EC50 >10 - 100 mg/L (72 h) |                           | Algae      |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                                             | LC50 Not relevant          |                           |            |
|                                                                                               | EC50 Not relevant          |                           |            |
|                                                                                               | EC50 675 mg/L (72 h)       | Scenedesmus subspicatus   | Algae      |
| Hydrocarbons, C9, aromatics<br>CAS: 128601-23-0<br>EC: 918-668-5                              | LC50 >1 - 10 mg/L (96 h)   |                           | Fish       |
|                                                                                               | EC50 >1 - 10 mg/L (48 h)   |                           | Crustacean |
|                                                                                               | EC50 >1 - 10 mg/L (72 h)   |                           | Algae      |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9                             | LC50 161 mg/L (96 h)       | Pimephales promelas       | Fish       |
|                                                                                               | EC50 481 mg/L (48 h)       | Daphnia sp.               | Crustacean |
|                                                                                               | EC50 Not relevant          |                           |            |
| 2,3-epoxypropyl neodecanoate<br>CAS: 26761-45-5<br>EC: 247-979-2                              | LC50 5 mg/L (96 h)         | Salmo gairdneri           | Fish       |
|                                                                                               | EC50 4,8 mg/L (96 h)       | Daphnia magna             | Crustacean |
|                                                                                               | EC50 3 mg/L (72 h)         | Selenastrum capricornutum | Algae      |

**Chronic toxicity:**

| Identification                                                                             | Concentration     | Species             | Genus      |
|--------------------------------------------------------------------------------------------|-------------------|---------------------|------------|
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Not relevant EC: 905-562-9 | NOEC 1,3 mg/L     | Oncorhynchus mykiss | Fish       |
|                                                                                            | NOEC 1,17 mg/L    | Ceriodaphnia dubia  | Crustacean |
| N-butyl acetate<br>CAS: 123-86-4 EC: 204-658-1                                             | NOEC Not relevant |                     |            |
|                                                                                            | NOEC 23,2 mg/L    | Daphnia magna       | Crustacean |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6 EC: 203-603-9                             | NOEC 47,5 mg/L    | Oryzias latipes     | Fish       |
|                                                                                            | NOEC 100 mg/L     | Daphnia magna       | Crustacean |

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

- CONTINUED ON NEXT PAGE -



## SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification                                                                                | Degradability |              | Biodegradability |              |
|-----------------------------------------------------------------------------------------------|---------------|--------------|------------------|--------------|
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Not relevant<br>EC: 905-562-9 | BOD5          | Not relevant | Concentration    | Not relevant |
|                                                                                               | COD           | Not relevant | Period           | 28 days      |
|                                                                                               | BOD5/COD      | Not relevant | % Biodegradable  | 88 %         |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                                             | BOD5          | Not relevant | Concentration    | Not relevant |
|                                                                                               | COD           | Not relevant | Period           | 5 days       |
|                                                                                               | BOD5/COD      | Not relevant | % Biodegradable  | 84 %         |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9                             | BOD5          | Not relevant | Concentration    | 785 mg/L     |
|                                                                                               | COD           | Not relevant | Period           | 8 days       |
|                                                                                               | BOD5/COD      | Not relevant | % Biodegradable  | 100 %        |
| 2,3-epoxypropyl neodecanoate<br>CAS: 26761-45-5<br>EC: 247-979-2                              | BOD5          | Not relevant | Concentration    | 3 mg/L       |
|                                                                                               | COD           | Not relevant | Period           | 28 days      |
|                                                                                               | BOD5/COD      | Not relevant | % Biodegradable  | 7 %          |
| maleic anhydride<br>CAS: 108-31-6<br>EC: 203-571-6                                            | BOD5          | Not relevant | Concentration    | 33.33 mg/L   |
|                                                                                               | COD           | Not relevant | Period           | 29 days      |
|                                                                                               | BOD5/COD      | Not relevant | % Biodegradable  | 98,19 %      |

### 12.3 Bioaccumulative potential:

#### Substance-specific information:

| Identification                                                                                | Bioaccumulation potential |       |
|-----------------------------------------------------------------------------------------------|---------------------------|-------|
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Not relevant<br>EC: 905-562-9 | BCF                       | 9     |
|                                                                                               | Pow Log                   | 2.77  |
|                                                                                               | Potential                 | Low   |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                                             | BCF                       | 4     |
|                                                                                               | Pow Log                   | 1.78  |
|                                                                                               | Potential                 | Low   |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9                             | BCF                       | 1     |
|                                                                                               | Pow Log                   | 0.43  |
|                                                                                               | Potential                 | Low   |
| 2,3-epoxypropyl neodecanoate<br>CAS: 26761-45-5<br>EC: 247-979-2                              | BCF                       | 371   |
|                                                                                               | Pow Log                   | 4.4   |
|                                                                                               | Potential                 | High  |
| maleic anhydride<br>CAS: 108-31-6<br>EC: 203-571-6                                            | BCF                       |       |
|                                                                                               | Pow Log                   | -2.61 |
|                                                                                               | Potential                 |       |

### 12.4 Mobility in soil:

| Identification                                                                                | Absorption/desorption |                          | Volatility |                               |
|-----------------------------------------------------------------------------------------------|-----------------------|--------------------------|------------|-------------------------------|
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Not relevant<br>EC: 905-562-9 | Koc                   | 202                      | Henry      | 524,86 Pa·m <sup>3</sup> /mol |
|                                                                                               | Conclusion            | Moderate                 | Dry soil   | Yes                           |
|                                                                                               | Surface tension       | Not relevant             | Moist soil | Yes                           |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                                             | Koc                   | Not relevant             | Henry      | Not relevant                  |
|                                                                                               | Conclusion            | Not relevant             | Dry soil   | Not relevant                  |
|                                                                                               | Surface tension       | 2,478E-2 N/m (25 °C)     | Moist soil | Not relevant                  |
| 2,3-epoxypropyl neodecanoate<br>CAS: 26761-45-5<br>EC: 247-979-2                              | Koc                   | 143                      | Henry      | Not relevant                  |
|                                                                                               | Conclusion            | High                     | Dry soil   | Not relevant                  |
|                                                                                               | Surface tension       | Not relevant             | Moist soil | Not relevant                  |
| maleic anhydride<br>CAS: 108-31-6<br>EC: 203-571-6                                            | Koc                   | 42                       | Henry      | 0E+0 Pa·m <sup>3</sup> /mol   |
|                                                                                               | Conclusion            | Very High                | Dry soil   | Not relevant                  |
|                                                                                               | Surface tension       | 1,673E-2 N/m (250,21 °C) | Moist soil | Not relevant                  |

### 12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

### 12.6 Endocrine disrupting properties:

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

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**408110001 - PROTEK POLIURETANO 2112 GLASS BRILLO  
BASE TR STI****SECTION 12: ECOLOGICAL INFORMATION (continued)****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 01 11* | waste paint and varnish containing organic solvents or other hazardous substances | Hazardous                                  |

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

HP14 Ecotoxic, HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP4 Irritant — skin irritation and eye damage

**Waste management (disposal and evaluation):**

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

**Regulations related to waste management:**

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

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

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

With regard to ADR 2025 and RID 2025:



- 14.1 UN number or ID number:** UN1263  
**14.2 UN proper shipping name:** PAINT  
**14.3 Transport hazard class(es):** 3  
 Labels: 3  
**14.4 Packing group:** III  
**14.5 Environmental hazards:** No  
**14.6 Special precautions for user**  
 Special regulations: 163, 367, 650  
 Tunnel restriction code: D/E  
 Physico-Chemical properties: see section 9  
 Limited quantities: 5 L  
**14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

NOTE: Not applicable in receptacles of less than 450 litres (2.2.3.1.5)

**Transport of dangerous goods by sea:**

With regard to IMDG 42-24:

**408110001 - PROTEK POLIURETANO 2112 GLASS BRILLO  
BASE TR STI****SECTION 14: TRANSPORT INFORMATION (continued)**

- 14.1 UN number or ID number:** UN1263  
**14.2 UN proper shipping name:** PAINT  
**14.3 Transport hazard class(es):** 3  
 Labels: 3  
**14.4 Packing group:** III  
**14.5 Marine pollutant:** No  
**14.6 Special precautions for user**  
 Special regulations: 223, 955, 163, 367  
 EmS Codes: F-E, S-E  
 Physico-Chemical properties: see section 9  
 Limited quantities: 5 L  
 Segregation group: Not relevant  
**14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

NOTE: Not applicable in receptacles of less than 450 litres (2.3.2.5)

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2026:



- 14.1 UN number or ID number:** UN1263  
**14.2 UN proper shipping name:** PAINT  
**14.3 Transport hazard class(es):** 3  
 Labels: 3  
**14.4 Packing group:** III  
**14.5 Environmental hazards:** No  
**14.6 Special precautions for user**  
 Physico-Chemical properties: see section 9  
**14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) No 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

**Seveso III:**

| Section | Description       | Lower-tier requirements | Upper-tier requirements |
|---------|-------------------|-------------------------|-------------------------|
| P5c     | FLAMMABLE LIQUIDS | 5000,000                | 50000,000               |

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

Shall not be used in:

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

**Specific provisions in terms of protecting people or the environment:**

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

**Other legislation:**

The product could be affected by sectorial legislation

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**408110001 - PROTEK POLIURETANO 2112 GLASS BRILLO  
BASE TR STI****SECTION 15: REGULATORY INFORMATION (continued)****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.:**

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

· Hazard statements

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

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

H317: May cause an allergic skin reaction.

H315: Causes skin irritation.

H373: May cause damage to organs through prolonged or repeated exposure (Oral). Organs affected: All gross lesions and masses.

H312+H332: Harmful in contact with skin or if inhaled.

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:**

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H312+H332 - Harmful in contact with skin or 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.

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

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

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

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

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

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

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

STOT SE 3: H335 - May cause respiratory irritation.

STOT SE 3: H336 - May cause drowsiness or dizziness.

**Classification procedure:**

STOT SE 3: Calculation method

Aquatic Chronic 3: Calculation method

Skin Sens. 1A: Calculation method

Skin Irrit. 2: Calculation method

STOT RE 2: Calculation method

Acute Tox. 4: Calculation method

Flam. Liq. 3: Calculation method (2.6.4.3)

Eye Irrit. 2: 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:**

\*\* Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -

**408110001 - PROTEK POLIURETANO 2112 GLASS BRILLO  
BASE TR STI**



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

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

*\*\* Changes with regards to the previous version*

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

- END OF SAFETY DATA SHEET -