



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

- 1.1 Product identifier:** PURET-A - PURETHAN A52 Comp. A
- Other means of identification:**
- UFI:** JE20-30UN-U004-6N5P
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- Relevant uses (Professional users): Painting/varnishing/protection of masonry, iron and wood surfaces.  
Relevant uses (Industrial user): Painting/varnishing/protection of masonry, iron and wood surfaces.  
For Professional users/Industrial user only.  
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:**
- IRIS COATINGS SRL  
VIA NOVI 42  
15060 BASALUZZO - AL - ITALIA  
Phone: +39 0143 489233 - Fax: +39 0143 487991  
info@iriscoatings.it  
www.iriscoatings.it
- 1.4 Emergency telephone number:** CAV Centro Nazionale Informazione Tossicologica - Pavia +39 0382 24444

## SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
- CLP Regulation (EC) No 1272/2008:**
- Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
- Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412  
Asp. Tox. 1: Aspiration hazard, Category 1, H304  
Eye Irrit. 2: Eye irritation, Category 2, H319  
Flam. Liq. 3: Flammable liquids, Category 3, H226  
Skin Irrit. 2: Skin irritation, Category 2, H315  
STOT RE 2: Specific target organ toxicity — Repeated exposure, Hazard Category 2, H373  
STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335

**2.2 Label elements:**

**CLP Regulation (EC) No 1272/2008:**

**Danger**



**Hazard statements:**

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 Irrit. 2: H319 - Causes serious eye irritation.  
Flam. Liq. 3: H226 - Flammable liquid and vapour.  
Skin Irrit. 2: H315 - Causes skin irritation.  
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.  
STOT SE 3: H335 - May cause respiratory irritation.

**Precautionary statements:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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 in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

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## SECTION 2: HAZARDS IDENTIFICATION (continued)

### Supplementary information:

EUH208: Contains n-butyl acrylate. May produce an allergic reaction.

### Substances that contribute to the classification

Reaction mass of ethylbenzene and xylene; Hydrocarbons, C9, aromatics

UFI: JE20-30UN-U004-6N5P

### 2.3 Other hazards:

Product does not meet PBT/vPvB criteria

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

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substance:

Not relevant

### 3.2 Mixture:

**Chemical description:** Mixture composed of additives, aggregates, colourants, pigments, plasticizers and resins in solvents

### 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: 905-588-0<br>Index: Not relevant<br>REACH: 01-2119539452-40-XXXX | <b>Reaction mass of ethylbenzene and xylene<sup>(1)</sup></b> Self-classified |                                                                                                                                                                                                                                                                              | <b>10 - &lt;20%</b> |
|                                                                                           | Regulation 1272/2008                                                          | Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger                                       |                     |
| 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: 108-10-1<br>EC: 203-550-1<br>Index: 606-004-00-4<br>REACH: 01-2119473980-30-XXXX     | <b>4-methylpentan-2-one<sup>(1)</sup></b> ATP ATP17                           |                                                                                                                                                                                                                                                                              | <b>0.1 - &lt;1%</b> |
|                                                                                           | Regulation 1272/2008                                                          | Acute Tox. 4: H332; Carc. 2: H351; Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger                                                                             |                     |
| CAS: 141-78-6<br>EC: 205-500-4<br>Index: 607-022-00-5<br>REACH: 01-2119475103-46-XXXX     | <b>Ethyl acetate<sup>(2)</sup></b> ATP CLP00                                  |                                                                                                                                                                                                                                                                              | <b>0.1 - &lt;1%</b> |
|                                                                                           | Regulation 1272/2008                                                          | Eye Irrit. 2: H319; Flam. Liq. 2: H225; 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>(2)</sup></b> Self-classified          |                                                                                                                                                                                                                                                                              | <b>0.1 - &lt;1%</b> |
|                                                                                           | Regulation 1272/2008                                                          | Flam. Liq. 3: H226; STOT SE 3: H336 - Warning                                                                                                                                           |                     |
| 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                                  |                                                                                                                                                                                                                                                                              | <b>0.1 - &lt;1%</b> |
|                                                                                           | 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  |                     |
| CAS: 141-32-2<br>EC: 205-480-7<br>Index: 607-062-00-3<br>REACH: 01-2119453155-43-XXXX     | <b>n-butyl acrylate<sup>(1)</sup></b> Self-classified                         |                                                                                                                                                                                                                                                                              | <b>0.1 - &lt;1%</b> |
|                                                                                           | Regulation 1272/2008                                                          | Acute Tox. 4: H332; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317; STOT SE 3: H335 - Warning                                |                     |
| CAS: 77-99-6<br>EC: 201-074-9<br>Index: Not relevant<br>REACH: 01-2119486799-10-XXXX      | <b>Propyldynetrimeethanol<sup>(1)</sup></b> Self-classified                   |                                                                                                                                                                                                                                                                              | <b>0.1 - &lt;1%</b> |
|                                                                                           | Regulation 1272/2008                                                          | Repr. 2: H361fd - Warning                                                                                                                                                               |                     |
| CAS: 79-10-7<br>EC: 201-177-9<br>Index: 607-061-00-8<br>REACH: 01-2119452449-31-XXXX      | <b>acrylic acid<sup>(2)</sup></b> ATP CLP00                                   |                                                                                                                                                                                                                                                                              | <b>&lt;0.1%</b>     |
|                                                                                           | Regulation 1272/2008                                                          | Acute Tox. 4: H302+H312+H332; Aquatic Acute 1: H400; Flam. Liq. 3: H226; Skin Corr. 1A: H314; STOT SE 3: H335 - Danger                                                                  |                     |

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

<sup>(2)</sup> Substance with a Union workplace exposure limit


**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)**

| Identification                                                                          | Chemical name/Classification                                                                                                                                                                    | Concentration   |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| CAS: 14808-60-7<br>EC: 238-878-4<br>Index: Not relevant<br>REACH: 01-2120770509-45-XXXX | <b>Quartz (RCS &gt; 10%)(<sup>2</sup>)</b> Self-classified<br>Regulation 1272/2008 STOT RE 1: H372 - Danger  | <b>&lt;0.1%</b> |

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

(<sup>2</sup>) Substance with a Union workplace exposure limit

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

**Other information:**

| Identification                                                                 | Specific concentration limit   |
|--------------------------------------------------------------------------------|--------------------------------|
| Reaction mass of ethylbenzene and xylene<br>CAS: Not relevant<br>EC: 905-588-0 | % (w/w) >=10: STOT RE 2 - H373 |
| acrylic acid<br>CAS: 79-10-7<br>EC: 201-177-9                                  | % (w/w) >=1: STOT SE 3 - H335  |

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

| Identification                                                                 | Acute toxicity         | Genus        |
|--------------------------------------------------------------------------------|------------------------|--------------|
| Reaction mass of ethylbenzene and xylene<br>CAS: Not relevant<br>EC: 905-588-0 | LD50 oral              | Not relevant |
|                                                                                | LD50 dermal            | 1100 mg/kg   |
|                                                                                | LC50 inhalation vapour | 11 mg/L      |
| 4-methylpentan-2-one<br>CAS: 108-10-1<br>EC: 203-550-1                         | LD50 oral              | Not relevant |
|                                                                                | LD50 dermal            | Not relevant |
|                                                                                | LC50 inhalation vapour | 11 mg/L      |
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5                                      | LD50 oral              | Not relevant |
|                                                                                | LD50 dermal            | Not relevant |
|                                                                                | LC50 inhalation vapour | 11,8 mg/L    |
| n-butyl acrylate<br>CAS: 141-32-2<br>EC: 205-480-7                             | LD50 oral              | Not relevant |
|                                                                                | LD50 dermal            | Not relevant |
|                                                                                | LC50 inhalation vapour | 10,3 mg/L    |
| acrylic acid<br>CAS: 79-10-7<br>EC: 201-177-9                                  | LD50 oral              | 357 mg/kg    |
|                                                                                | LD50 dermal            | 1100 mg/kg   |
|                                                                                | LC50 inhalation vapour | 11 mg/L      |

**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 affected person from the area of exposure, provide them with fresh air, and keep them at rest. In severe cases such as cardiorespiratory arrest, administer artificial respiration techniques if properly trained (CPR, oxygen provision, etc.) and seek 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:**

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#### SECTION 4: FIRST AID MEASURES (continued)

Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

**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:**

**Suitable extinguishing media:**

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.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

### 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.

#### 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.: 45 °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 xylene       | IOELV (8h)                   | 50 ppm  | 221 mg/m <sup>3</sup>  |
| CAS: Not relevant EC: 905-588-0                | IOELV (STEL)                 | 100 ppm | 442 mg/m <sup>3</sup>  |
| 4-methylpentan-2-one                           | IOELV (8h)                   | 20 ppm  | 83 mg/m <sup>3</sup>   |
| CAS: 108-10-1 EC: 203-550-1                    | IOELV (STEL)                 | 50 ppm  | 208 mg/m <sup>3</sup>  |
| Ethyl acetate                                  | IOELV (8h)                   | 200 ppm | 734 mg/m <sup>3</sup>  |
| CAS: 141-78-6 EC: 205-500-4                    | IOELV (STEL)                 | 400 ppm | 1468 mg/m <sup>3</sup> |
| 2-methoxy-1-methylethyl acetate <sup>(1)</sup> | IOELV (8h)                   | 50 ppm  | 275 mg/m <sup>3</sup>  |
| CAS: 108-65-6 EC: 203-603-9                    | IOELV (STEL)                 | 100 ppm | 550 mg/m <sup>3</sup>  |
| n-butyl acrylate                               | IOELV (8h)                   | 2 ppm   | 11 mg/m <sup>3</sup>   |
| CAS: 141-32-2 EC: 205-480-7                    | IOELV (STEL)                 | 10 ppm  | 53 mg/m <sup>3</sup>   |
| acrylic acid                                   | IOELV (8h)                   | 10 ppm  | 29 mg/m <sup>3</sup>   |
| CAS: 79-10-7 EC: 201-177-9                     | IOELV (STEL)                 | 20 ppm  | 59 mg/m <sup>3</sup>   |
| Quartz (RCS > 10%)                             | IOELV (8h)                   |         | 0,1 mg/m <sup>3</sup>  |

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

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 |  |
|-----------------|---------------|------------------------------|--|
| CAS: 14808-60-7 | EC: 238-878-4 | IOELV (STEL)                 |  |

<sup>(1)</sup> Skin

**DNEL (Workers):**

| Identification                                                                 |            | Short exposure         |                        | Long exposure         |                       |
|--------------------------------------------------------------------------------|------------|------------------------|------------------------|-----------------------|-----------------------|
|                                                                                |            | Systemic               | Local                  | Systemic              | Local                 |
| Reaction mass of ethylbenzene and xylene<br>CAS: Not relevant<br>EC: 905-588-0 | Oral       | Not relevant           | Not relevant           | Not relevant          | Not relevant          |
|                                                                                | Dermal     | Not relevant           | Not relevant           | 212 mg/kg             | Not relevant          |
|                                                                                | Inhalation | 442 mg/m <sup>3</sup>  | 442 mg/m <sup>3</sup>  | 221 mg/m <sup>3</sup> | 221 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          |
| 4-methylpentan-2-one<br>CAS: 108-10-1<br>EC: 203-550-1                         | Oral       | Not relevant           | Not relevant           | Not relevant          | Not relevant          |
|                                                                                | Dermal     | Not relevant           | Not relevant           | 11,8 mg/kg            | Not relevant          |
|                                                                                | Inhalation | 208 mg/m <sup>3</sup>  | 208 mg/m <sup>3</sup>  | 83 mg/m <sup>3</sup>  | 83 mg/m <sup>3</sup>  |
| Ethyl acetate<br>CAS: 141-78-6<br>EC: 205-500-4                                | Oral       | Not relevant           | Not relevant           | Not relevant          | Not relevant          |
|                                                                                | Dermal     | Not relevant           | Not relevant           | 63 mg/kg              | Not relevant          |
|                                                                                | Inhalation | 1468 mg/m <sup>3</sup> | 1468 mg/m <sup>3</sup> | 734 mg/m <sup>3</sup> | 734 mg/m <sup>3</sup> |
| 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          |
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5                                      | Oral       | Not relevant           | Not relevant           | Not relevant          | Not relevant          |
|                                                                                | Dermal     | Not relevant           | Not relevant           | 406 mg/kg             | Not relevant          |
|                                                                                | Inhalation | 289 mg/m <sup>3</sup>  | 306 mg/m <sup>3</sup>  | 85 mg/m <sup>3</sup>  | Not relevant          |
| n-butyl acrylate<br>CAS: 141-32-2<br>EC: 205-480-7                             | Oral       | Not relevant           | Not relevant           | Not relevant          | Not relevant          |
|                                                                                | Dermal     | Not relevant           | Not relevant           | Not relevant          | Not relevant          |
|                                                                                | Inhalation | Not relevant           | Not relevant           | Not relevant          | 11 mg/m <sup>3</sup>  |
| Propylidynetrimethanol<br>CAS: 77-99-6<br>EC: 201-074-9                        | Oral       | Not relevant           | Not relevant           | Not relevant          | Not relevant          |
|                                                                                | Dermal     | Not relevant           | Not relevant           | 0,94 mg/kg            | Not relevant          |
|                                                                                | Inhalation | Not relevant           | Not relevant           | 3,3 mg/m <sup>3</sup> | Not relevant          |
| acrylic acid<br>CAS: 79-10-7<br>EC: 201-177-9                                  | Oral       | Not relevant           | Not relevant           | Not relevant          | Not relevant          |
|                                                                                | Dermal     | Not relevant           | Not relevant           | Not relevant          | Not relevant          |
|                                                                                | Inhalation | 30 mg/m <sup>3</sup>   | 30 mg/m <sup>3</sup>   | 30 mg/m <sup>3</sup>  | 30 mg/m <sup>3</sup>  |

**DNEL (General population):**

| Identification                                                                 |            | Short exposure          |                         | Long exposure          |                        |
|--------------------------------------------------------------------------------|------------|-------------------------|-------------------------|------------------------|------------------------|
|                                                                                |            | Systemic                | Local                   | Systemic               | Local                  |
| Reaction mass of ethylbenzene and xylene<br>CAS: Not relevant<br>EC: 905-588-0 | Oral       | Not relevant            | Not relevant            | 12,5 mg/kg             | Not relevant           |
|                                                                                | Dermal     | Not relevant            | Not relevant            | 125 mg/kg              | Not relevant           |
|                                                                                | Inhalation | 260 mg/m <sup>3</sup>   | 260 mg/m <sup>3</sup>   | 65,3 mg/m <sup>3</sup> | 65,3 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           |
| 4-methylpentan-2-one<br>CAS: 108-10-1<br>EC: 203-550-1                         | Oral       | Not relevant            | Not relevant            | 4,2 mg/kg              | Not relevant           |
|                                                                                | Dermal     | Not relevant            | Not relevant            | 4,2 mg/kg              | Not relevant           |
|                                                                                | Inhalation | 155,2 mg/m <sup>3</sup> | 155,2 mg/m <sup>3</sup> | 14,7 mg/m <sup>3</sup> | 14,7 mg/m <sup>3</sup> |
| Ethyl acetate<br>CAS: 141-78-6<br>EC: 205-500-4                                | Oral       | Not relevant            | Not relevant            | 4,5 mg/kg              | Not relevant           |
|                                                                                | Dermal     | Not relevant            | Not relevant            | 37 mg/kg               | Not relevant           |
|                                                                                | Inhalation | 734 mg/m <sup>3</sup>   | 734 mg/m <sup>3</sup>   | 367 mg/m <sup>3</sup>  | 367 mg/m <sup>3</sup>  |
| 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>   |

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**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       | Not relevant             | Not relevant             | 2,1 mg/kg              | Not relevant          |
|                                                         | Dermal     | Not relevant             | Not relevant             | 343 mg/kg              | Not relevant          |
|                                                         | Inhalation | 174,25 mg/m <sup>3</sup> | 182,75 mg/m <sup>3</sup> | 10,2 mg/m <sup>3</sup> | Not relevant          |
| Propylidynetrimethanol<br>CAS: 77-99-6<br>EC: 201-074-9 | Oral       | Not relevant             | Not relevant             | 0,34 mg/kg             | Not relevant          |
|                                                         | Dermal     | Not relevant             | Not relevant             | 0,34 mg/kg             | Not relevant          |
|                                                         | Inhalation | Not relevant             | Not relevant             | 0,58 mg/m <sup>3</sup> | Not relevant          |
| acrylic acid<br>CAS: 79-10-7<br>EC: 201-177-9           | Oral       | Not relevant             | Not relevant             | Not relevant           | Not relevant          |
|                                                         | Dermal     | Not relevant             | Not relevant             | Not relevant           | Not relevant          |
|                                                         | Inhalation | 3,6 mg/m <sup>3</sup>    | 3,6 mg/m <sup>3</sup>    | 3,6 mg/m <sup>3</sup>  | 3,6 mg/m <sup>3</sup> |

**PNEC:**

| Identification                                                                 |              |              |                         |             |  |
|--------------------------------------------------------------------------------|--------------|--------------|-------------------------|-------------|--|
| Reaction mass of ethylbenzene and xylene<br>CAS: Not relevant<br>EC: 905-588-0 | STP          | 6,58 mg/L    | Fresh water             | 0,327 mg/L  |  |
|                                                                                | Soil         | 2,31 mg/kg   | Marine water            | 0,327 mg/L  |  |
|                                                                                | Intermittent | 0,327 mg/L   | Sediment (Fresh water)  | 12,46 mg/kg |  |
|                                                                                | Oral         | Not relevant | Sediment (Marine water) | 12,46 mg/kg |  |
| 4-methylpentan-2-one<br>CAS: 108-10-1<br>EC: 203-550-1                         | STP          | 27,5 mg/L    | Fresh water             | 0,6 mg/L    |  |
|                                                                                | Soil         | 1,3 mg/kg    | Marine water            | 0,06 mg/L   |  |
|                                                                                | Intermittent | 1,5 mg/L     | Sediment (Fresh water)  | 8,27 mg/kg  |  |
|                                                                                | Oral         | Not relevant | Sediment (Marine water) | 0,83 mg/kg  |  |
| Ethyl acetate<br>CAS: 141-78-6<br>EC: 205-500-4                                | STP          | 650 mg/L     | Fresh water             | 0,24 mg/L   |  |
|                                                                                | Soil         | 0,148 mg/kg  | Marine water            | 0,024 mg/L  |  |
|                                                                                | Intermittent | 1,65 mg/L    | Sediment (Fresh water)  | 1,15 mg/kg  |  |
|                                                                                | Oral         | 0,2 g/kg     | Sediment (Marine water) | 0,115 mg/kg |  |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9              | STP          | 100 mg/L     | Fresh water             | 0,635 mg/L  |  |
|                                                                                | Soil         | 0,29 mg/kg   | Marine water            | 0,064 mg/L  |  |
|                                                                                | Intermittent | 6,35 mg/L    | Sediment (Fresh water)  | 3,29 mg/kg  |  |
|                                                                                | Oral         | Not relevant | Sediment (Marine water) | 0,329 mg/kg |  |
| 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         | Not relevant | Sediment (Marine water) | 0,307 mg/kg |  |
| n-butyl acrylate<br>CAS: 141-32-2<br>EC: 205-480-7                             | STP          | 3,5 mg/L     | Fresh water             | 0,003 mg/L  |  |
|                                                                                | Soil         | 1 mg/kg      | Marine water            | 0 mg/L      |  |
|                                                                                | Intermittent | 0,011 mg/L   | Sediment (Fresh water)  | 0,034 mg/kg |  |
|                                                                                | Oral         | Not relevant | Sediment (Marine water) | 0,003 mg/kg |  |
| acrylic acid<br>CAS: 79-10-7<br>EC: 201-177-9                                  | STP          | 0,9 mg/L     | Fresh water             | 0,003 mg/L  |  |
|                                                                                | Soil         | 1 mg/kg      | Marine water            | 0 mg/L      |  |
|                                                                                | Intermittent | 0,001 mg/L   | Sediment (Fresh water)  | 0,024 mg/kg |  |
|                                                                                | Oral         | 0,03 g/kg    | Sediment (Marine water) | 0,002 mg/kg |  |

**8.2 Exposure controls:**
**A.- Individual protection measures, such as personal protective equipment**

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**

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

| 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 | NON-disposable chemical protective gloves | <br>CAT III | EN ISO 374-1:2016+A1:2018<br>EN 16523-1:2015+A1:2018<br>EN ISO 21420:2020 | 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 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.

| 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):          | 27,25 % weight                        |
| V.O.C. density at 20 °C:  | 279,49 kg/m <sup>3</sup> (279,49 g/L) |
| Average carbon number:    | 8,05                                  |
| Average molecular weight: | 109,34 g/mol                          |



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

#### Volatility:

|                                        |                       |
|----------------------------------------|-----------------------|
| Boiling point at atmospheric pressure: | 139 °C                |
| Vapour pressure at 20 °C:              | 995 Pa                |
| Vapour pressure at 50 °C:              | 4858,52 Pa (4,86 kPa) |
| Evaporation rate at 20 °C:             | Not relevant *        |

#### Product description:

|                                              |                           |
|----------------------------------------------|---------------------------|
| Density at 20 °C:                            | 1025,7 kg/m <sup>3</sup>  |
| Relative density at 20 °C:                   | 1,026                     |
| 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 *            |
| 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 *            |
| Decomposition temperature:                   | Not relevant *            |
| Melting point/freezing point:                | Not relevant *            |

#### Flammability:

|                            |                |
|----------------------------|----------------|
| Flash Point:               | 29 °C          |
| Flammability (solid, gas): | Not relevant * |
| Autoignition temperature:  | 292 °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 * |
|---------------------------|----------------|

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

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

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

#### 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 : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

#### 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):

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

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

IARC: Reaction mass of ethylbenzene and xylene (3: Not classifiable as to its carcinogenicity to humans); Hydrocarbons, C9, aromatics (3: Not classifiable as to its carcinogenicity to humans); 4-methylpentan-2-one (2B: Possibly carcinogenic to humans); styrene (2A: Probably carcinogenic to humans); n-butyl acrylate (3: Not classifiable as to its carcinogenicity to humans); acrylic acid (3: Not classifiable as to its carcinogenicity to humans); Quartz (RCS > 10%) (1: Carcinogenic to humans)

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

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

**E- Sensitizing effects:**

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.

- Skin: 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.

**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.

- 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:**

May be fatal if swallowed and enters airways.

**Other information:**

Not relevant

**Specific toxicology information on the substances:**

| Identification                                                                 | Acute toxicity         |               | Genus  |
|--------------------------------------------------------------------------------|------------------------|---------------|--------|
| Reaction mass of ethylbenzene and xylene<br>CAS: Not relevant<br>EC: 905-588-0 | LD50 oral              | 3523 mg/kg    | Rat    |
|                                                                                | LD50 dermal            | 1100 mg/kg    |        |
|                                                                                | LC50 inhalation vapour | 11 mg/L       |        |
| Hydrocarbons, C9, aromatics<br>CAS: 128601-23-0<br>EC: 918-668-5               | LD50 oral              | >3492 mg/kg   | Rat    |
|                                                                                | LD50 dermal            | >2000 mg/kg   |        |
|                                                                                | LC50 inhalation vapour | >20 mg/L      |        |
| 4-methylpentan-2-one<br>CAS: 108-10-1<br>EC: 203-550-1                         | LD50 oral              | >2000 mg/kg   |        |
|                                                                                | LD50 dermal            | >2000 mg/kg   |        |
|                                                                                | LC50 inhalation vapour | 11 mg/L       |        |
| Ethyl acetate<br>CAS: 141-78-6<br>EC: 205-500-4                                | LD50 oral              | 4100 mg/kg    | Rat    |
|                                                                                | LD50 dermal            | 20000 mg/kg   | Rabbit |
|                                                                                | LC50 inhalation vapour | >20 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    |
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5                                      | LD50 oral              | >2000 mg/kg   |        |
|                                                                                | LD50 dermal            | >2000 mg/kg   |        |
|                                                                                | LC50 inhalation vapour | 11,8 mg/L     | Rat    |
| n-butyl acrylate<br>CAS: 141-32-2<br>EC: 205-480-7                             | LD50 oral              | 4000 mg/kg    |        |
|                                                                                | LD50 dermal            | >2000 mg/kg   |        |
|                                                                                | LC50 inhalation vapour | 10,3 mg/L     | Rat    |

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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification                                          | Acute toxicity         |             | Genus |
|---------------------------------------------------------|------------------------|-------------|-------|
| Propylidynetrimethanol<br>CAS: 77-99-6<br>EC: 201-074-9 | LD50 oral              | >2000 mg/kg |       |
|                                                         | LD50 dermal            | >2000 mg/kg |       |
|                                                         | LC50 inhalation dust   | >5 mg/L     |       |
| acrylic acid<br>CAS: 79-10-7<br>EC: 201-177-9           | LD50 oral              | 357 mg/kg   | Rat   |
|                                                         | LD50 dermal            | 1100 mg/kg  |       |
|                                                         | LC50 inhalation vapour | 11 mg/L     |       |
| Quartz (RCS > 10%)<br>CAS: 14808-60-7<br>EC: 238-878-4  | LD50 oral              | >2000 mg/kg |       |
|                                                         | LD50 dermal            | >2000 mg/kg |       |
|                                                         | LC50 inhalation dust   | >5 mg/L     |       |

### 11.2 Information on other hazards:

#### Endocrine disrupting properties

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

#### Other information

Not relevant

## SECTION 12: ECOLOGICAL INFORMATION

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

Harmful to aquatic life with long lasting effects.

### 12.1 Toxicity:

#### Acute toxicity:

| Identification                                                    | Concentration |                       | Species                 | Genus      |
|-------------------------------------------------------------------|---------------|-----------------------|-------------------------|------------|
| 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      |
| 4-methylpentan-2-one<br>CAS: 108-10-1<br>EC: 203-550-1            | LC50          | 900 mg/L (48 h)       | Leuciscus idus          | Fish       |
|                                                                   | EC50          | 862 mg/L (24 h)       | Daphnia magna           | Crustacean |
|                                                                   | EC50          | 980 mg/L (48 h)       | Scenedesmus subspicatus | Algae      |
| Ethyl acetate<br>CAS: 141-78-6<br>EC: 205-500-4                   | LC50          | 230 mg/L (96 h)       | Pimephales promelas     | Fish       |
|                                                                   | EC50          | 717 mg/L (48 h)       | Daphnia magna           | Crustacean |
|                                                                   | EC50          | 3300 mg/L (48 h)      | Scenedesmus subspicatus | 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          |                         |            |
| 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      |
| n-butyl acrylate<br>CAS: 141-32-2<br>EC: 205-480-7                | LC50          | >10 - 100 mg/L (96 h) |                         | Fish       |
|                                                                   | EC50          | >10 - 100 mg/L (48 h) |                         | Crustacean |
|                                                                   | EC50          | >10 - 100 mg/L (72 h) |                         | Algae      |
| acrylic acid<br>CAS: 79-10-7<br>EC: 201-177-9                     | LC50          | 27 mg/L (96 h)        | Oncorhynchus mykiss     | Fish       |
|                                                                   | EC50          | 95 mg/L (48 h)        | Daphnia magna           | Crustacean |
|                                                                   | EC50          | 0,13 mg/L (72 h)      | Desmodesmus subspicatus | Algae      |

#### Chronic toxicity:

| Identification                                                              | Concentration |              | Species             | Genus      |
|-----------------------------------------------------------------------------|---------------|--------------|---------------------|------------|
| Reaction mass of ethylbenzene and xylene<br>CAS: Not relevant EC: 905-588-0 | NOEC          | 1,3 mg/L     | Oncorhynchus mykiss | Fish       |
|                                                                             | NOEC          | 1,17 mg/L    | Ceriodaphnia dubia  | Crustacean |
| 4-methylpentan-2-one<br>CAS: 108-10-1 EC: 203-550-1                         | NOEC          | Not relevant |                     |            |
|                                                                             | NOEC          | 78 mg/L      | Daphnia magna       | Crustacean |
| Ethyl acetate<br>CAS: 141-78-6 EC: 205-500-4                                | NOEC          | 9,65 mg/L    | Pimephales promelas | Fish       |
|                                                                             | NOEC          | 2,4 mg/L     | Daphnia magna       | Crustacean |

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

| Identification                  | Concentration |              | Species         | Genus      |
|---------------------------------|---------------|--------------|-----------------|------------|
| 2-methoxy-1-methylethyl acetate | NOEC          | 47,5 mg/L    | Oryzias latipes | Fish       |
| CAS: 108-65-6 EC: 203-603-9     | NOEC          | 100 mg/L     | Daphnia magna   | Crustacean |
| styrene                         | NOEC          | Not relevant |                 |            |
| CAS: 100-42-5 EC: 202-851-5     | NOEC          | 1,01 mg/L    | Daphnia magna   | Crustacean |

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

| Identification                  | Degradability |              | Biodegradability |          |
|---------------------------------|---------------|--------------|------------------|----------|
| 4-methylpentan-2-one            | BOD5          | 2,06 g O2/g  | Concentration    | 100 mg/L |
| CAS: 108-10-1                   | COD           | 2,16 g O2/g  | Period           | 14 days  |
| EC: 203-550-1                   | BOD5/COD      | 0,95         | % Biodegradable  | 84 %     |
| Ethyl acetate                   | BOD5          | 1,36 g O2/g  | Concentration    | 100 mg/L |
| CAS: 141-78-6                   | COD           | 1,69 g O2/g  | Period           | 14 days  |
| EC: 205-500-4                   | BOD5/COD      | 0,8          | % Biodegradable  | 83 %     |
| 2-methoxy-1-methylethyl acetate | BOD5          | Not relevant | Concentration    | 785 mg/L |
| CAS: 108-65-6                   | COD           | Not relevant | Period           | 8 days   |
| EC: 203-603-9                   | BOD5/COD      | Not relevant | % Biodegradable  | 100 %    |
| styrene                         | BOD5          | 1,96 g O2/g  | Concentration    | 100 mg/L |
| CAS: 100-42-5                   | COD           | 2,8 g O2/g   | Period           | 14 days  |
| EC: 202-851-5                   | BOD5/COD      | 0,7          | % Biodegradable  | 100 %    |
| n-butyl acrylate                | BOD5          | Not relevant | Concentration    | 20 mg/L  |
| CAS: 141-32-2                   | COD           | Not relevant | Period           | 28 days  |
| EC: 205-480-7                   | BOD5/COD      | Not relevant | % Biodegradable  | 90 %     |
| acrylic acid                    | BOD5          | 315 g O2/g   | Concentration    | 3 mg/L   |
| CAS: 79-10-7                    | COD           | 1480 g O2/g  | Period           | 28 days  |
| EC: 201-177-9                   | BOD5/COD      | 0,21         | % Biodegradable  | 88 %     |

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

| Identification                           | Bioaccumulation potential |          |
|------------------------------------------|---------------------------|----------|
| Reaction mass of ethylbenzene and xylene | BCF                       | 9        |
| CAS: Not relevant                        | Pow Log                   | 2.77     |
| EC: 905-588-0                            | Potential                 | Low      |
| 4-methylpentan-2-one                     | BCF                       | 2        |
| CAS: 108-10-1                            | Pow Log                   | 1.31     |
| EC: 203-550-1                            | Potential                 | Low      |
| Ethyl acetate                            | BCF                       | 30       |
| CAS: 141-78-6                            | Pow Log                   | 0.73     |
| EC: 205-500-4                            | Potential                 | Moderate |
| 2-methoxy-1-methylethyl acetate          | BCF                       | 1        |
| CAS: 108-65-6                            | Pow Log                   | 0.43     |
| EC: 203-603-9                            | Potential                 | Low      |
| styrene                                  | BCF                       | 14       |
| CAS: 100-42-5                            | Pow Log                   | 2.95     |
| EC: 202-851-5                            | Potential                 | Low      |
| n-butyl acrylate                         | BCF                       | 17       |
| CAS: 141-32-2                            | Pow Log                   | 2.38     |
| EC: 205-480-7                            | Potential                 | Low      |
| acrylic acid                             | BCF                       | 3        |
| CAS: 79-10-7                             | Pow Log                   | 0.46     |
| EC: 201-177-9                            | Potential                 | Low      |

**12.4 Mobility in soil:**

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## SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification                                         | Absorption/desorption |                          | Volatility |                               |
|--------------------------------------------------------|-----------------------|--------------------------|------------|-------------------------------|
| 4-methylpentan-2-one<br>CAS: 108-10-1<br>EC: 203-550-1 | Koc                   | Not relevant             | Henry      | Not relevant                  |
|                                                        | Conclusion            | Not relevant             | Dry soil   | Not relevant                  |
|                                                        | Surface tension       | 2,35E-2 N/m (25 °C)      | Moist soil | Not relevant                  |
| Ethyl acetate<br>CAS: 141-78-6<br>EC: 205-500-4        | Koc                   | 59                       | Henry      | 13,58 Pa·m <sup>3</sup> /mol  |
|                                                        | Conclusion            | Very High                | Dry soil   | Yes                           |
|                                                        | Surface tension       | 2,324E-2 N/m (25 °C)     | Moist soil | Yes                           |
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5              | Koc                   | Not relevant             | Henry      | Not relevant                  |
|                                                        | Conclusion            | Not relevant             | Dry soil   | Not relevant                  |
|                                                        | Surface tension       | 3,21E-2 N/m (25 °C)      | Moist soil | Not relevant                  |
| n-butyl acrylate<br>CAS: 141-32-2<br>EC: 205-480-7     | Koc                   | 88.4                     | Henry      | 21,9 Pa·m <sup>3</sup> /mol   |
|                                                        | Conclusion            | High                     | Dry soil   | Yes                           |
|                                                        | Surface tension       | 2,598E-2 N/m (25 °C)     | Moist soil | Yes                           |
| Propyldyntrimethanol<br>CAS: 77-99-6<br>EC: 201-074-9  | Koc                   | Not relevant             | Henry      | Not relevant                  |
|                                                        | Conclusion            | Not relevant             | Dry soil   | Not relevant                  |
|                                                        | Surface tension       | 2,357E-2 N/m (246,93 °C) | Moist soil | Not relevant                  |
| acrylic acid<br>CAS: 79-10-7<br>EC: 201-177-9          | Koc                   | 42.8                     | Henry      | 2,9E-2 Pa·m <sup>3</sup> /mol |
|                                                        | Conclusion            | Very High                | Dry soil   | Not relevant                  |
|                                                        | Surface tension       | 2,85E-2 N/m (25 °C)      | Moist soil | Not relevant                  |

### 12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

### 12.6 Endocrine disrupting properties:

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

### 12.7 Other adverse effects:

Not described

## 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, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP3 Flammable, 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:



## 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 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

### Transport of dangerous goods by sea:

With regard to IMDG 42-24:



- 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

### 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:

- CONTINUED ON NEXT PAGE -


**SECTION 15: REGULATORY INFORMATION (continued)**

| 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.

Laboral exposure to respirable crystalline silica must be controlled in accordance with Directive (EU) 2022/431, of the European Parliament and of the Council, of March 9, 2022, amending Directive 2004/37/EC, relating to the protection of workers against risks related to exposure to carcinogens or mutagens during work.

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

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

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

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

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

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

Not relevant

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

H315: Causes skin irritation.

H335: May cause respiratory irritation.

H373: May cause damage to organs through prolonged or repeated exposure.

H412: Harmful to aquatic life with long lasting effects.

H304: May be fatal if swallowed and enters airways.

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:**



## SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.  
 Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.  
 Acute Tox. 4: H332 - Harmful if inhaled.  
 Aquatic Acute 1: H400 - Very toxic to aquatic life.  
 Aquatic Chronic 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.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Flam. Liq. 2: H225 - Highly flammable liquid and vapour.  
 Flam. Liq. 3: H226 - Flammable liquid and vapour.  
 Repr. 2: H361d - Suspected of damaging the unborn child.  
 Repr. 2: H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.  
 Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.  
 Skin Irrit. 2: H315 - Causes skin irritation.  
 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.  
 STOT SE 3: H335 - May cause respiratory irritation.  
 STOT SE 3: H336 - May cause drowsiness or dizziness.

### Classification procedure:

Skin Irrit. 2: Calculation method  
 STOT SE 3: Calculation method  
 STOT RE 2: Calculation method  
 Aquatic Chronic 3: Calculation method  
 Asp. Tox. 1: 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:

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

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

- END OF SAFETY DATA SHEET -