



## Safety data sheet

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

### ORS410P-1L

Date of compilation: 14/10/2021

Revised: 01/03/2023

Version: 2 (Replaced 1)

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

- 1.1 Product identifier:** ORS410P-1L  
**Other means of identification:**  
**UFI:** NNC6-207Y-M003-KWK0
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Top. For professional users 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:**  
Inter Cars S.A.  
ul. Powsińska 64  
02-903 Warszawa - Polska  
kontakt@intercars.com  
www.intercars.com
- 1.4 Emergency telephone number:**

#### SECTION 2: HAZARDS IDENTIFICATION \*\*

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) No 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.  
Asp. Tox. 1: Aspiration hazard, Category 1, H304  
Eye Dam. 1: Serious eye damage, Category 1, H318  
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 SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Danger**
- 
- Hazard statements:**  
H226 - Flammable liquid and vapour.  
H304 - May be fatal if swallowed and enters airways.  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H336 - May cause drowsiness or dizziness.
- Precautionary statements:**  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.
- Supplementary information:**  
Contains maleic anhydride.
- Substances that contribute to the classification**  
N-butyl acetate; Xylene; 2-methoxy-1-methylethyl acetate; butan-1-ol

\*\* Changes with regards to the previous version

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#### SECTION 2: HAZARDS IDENTIFICATION \*\* (continued)

**UFI:** NNC6-207Y-M003-KWK0

**Additional labeling:**

V.O.C. 2004/42/WE IIB(e) (840) 762

**2.3 Other hazards:**

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

\*\* Changes with regards to the previous version

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS \*\*

**3.1 Substance:**

Non-applicable

**3.2 Mixture:**

**Chemical description:** Mixture composed of chemical products

**Components:**

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

| Identification   | Chemical name/Classification   | Concentration         |
|--|--|-----------------------|
| 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>58 - &lt;68 %</b>  |
|  | Regulation 1272/2008 Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning   |                       |
| CAS: 1330-20-7<br>EC: 215-535-7<br>Index: 601-022-00-9<br>REACH: 01-2119488216-32-XXXX | <b>Xylene<sup>(1)</sup></b> Self-classified  | <b>&lt;10 %</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: 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;10 %</b> |
|  | Regulation 1272/2008 Flam. Liq. 3: H226; STOT SE 3: H336 - Warning   |                       |
| CAS: 71-36-3<br>EC: 200-751-6<br>Index: 603-004-00-6<br>REACH: 01-2119484630-38-XXXX   | <b>butan-1-ol<sup>(1)</sup></b> Self-classified  | <b>&lt;5 %</b>        |
|  | Regulation 1272/2008 Acute Tox. 4: H302; Eye Dam. 1: H318; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335; STOT SE 3: H336 - Danger  |                       |
| CAS: 112-07-2<br>EC: 203-933-3<br>Index: 607-038-00-2<br>REACH: 01-2119475112-47-XXXX  | <b>2-butoxyethyl acetate<sup>(1)</sup></b> ATP CLP00   | <b>&lt;3 %</b>        |
|  | Regulation 1272/2008 Acute Tox. 4: H312+H332 - Warning   |                       |
| CAS: 100-41-4<br>EC: 202-849-4<br>Index: 601-023-00-4<br>REACH: 01-2119489370-35-XXXX  | <b>Ethylbenzene<sup>(1)</sup></b> Self-classified  | <b>&lt;2 %</b>        |
|  | Regulation 1272/2008 Acute Tox. 4: H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger  |                       |
| CAS: 100-41-4<br>EC: 202-849-4<br>Index: 601-023-00-4<br>REACH: 01-2119489370-35-XXXX  | <b>Ethylbenzene<sup>(2)</sup></b> ATP ATP06  | <b>&lt;1 %</b>        |
|  | Regulation 1272/2008 Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger   |                       |
| CAS: 50-00-0<br>EC: 200-001-8<br>Index: 605-001-00-5<br>REACH: 01-2119488953-20-XXXX   | <b>Formaldehyde<sup>(2)</sup></b> ATP ATP06  | <b>&lt;1 %</b>        |
|  | Regulation 1272/2008 Acute Tox. 3: H301+H311+H331; Carc. 1B: H350; Muta. 2: H341; Skin Corr. 1B: H314; Skin Sens. 1: H317 - 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

\*\* Changes with regards to the previous version

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

| Identification  | Chemical name/Classification   | Concentration |
|---|--|---------------|
| CAS: 121-44-8<br>EC: 204-469-4<br>Index: 612-004-00-5<br>REACH: 01-2119475467-26-XXXX | <b>triethylamine<sup>(2)</sup></b> Self-classified   | <1 %          |
|   | Regulation 1272/2008 Acute Tox. 3: H311+H331; Acute Tox. 4: H302; Eye Dam. 1: H318; Flam. Liq. 2: H225; Skin Corr. 1A: H314; STOT SE 3: H335 - Danger      |               |
| 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  | <1 %          |
|   | 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 |               |

<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  |
|--|---|
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8      | % (w/w) >=25: Skin Corr. 1B - H314<br>5<= % (w/w) <25: Skin Irrit. 2 - H315<br>% (w/w) >=25: Eye Dam. 1 - H318<br>5<= % (w/w) <25: Eye Irrit. 2 - H319<br>% (w/w) >=0,2: Skin Sens. 1 - H317<br>% (w/w) >=5: STOT SE 3 - H335 |
| triethylamine<br>CAS: 121-44-8<br>EC: 204-469-4    | % (w/w) >=1: STOT SE 3 - H335   |
| maleic anhydride<br>CAS: 108-31-6<br>EC: 203-571-6 | % (w/w) >=0,001: Skin Sens. 1A - H317   |

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#### 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:

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:

Non-applicable

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

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

**Unsuitable extinguishing media:**

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

**5.2 Special hazards arising from the substance or mixture:**

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

**5.3 Advice for firefighters:**

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

**Additional provisions:**

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

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

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:**

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

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

It is recommended:

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

**6.4 Reference to other sections:**

See sections 8 and 13.

**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



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#### SECTION 7: HANDLING AND STORAGE (continued)

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

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

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

A.- Technical measures for storage

Minimum Temp.: 5 °C  
 Maximum Temp.: 25 °C  
 Maximum time: 36 Months

B.- General conditions for storage

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

#### 7.3 Specific end use(s):

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

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### 8.1 Control parameters:

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

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

| Identification   | Occupational exposure limits |                        |                        |
|--|------------------------------|------------------------|------------------------|
|  | IOELV (8h)                   | IOELV (STEL)           | IOELV (STEL)           |
| N-butyl acetate<br>CAS: 123-86-4 EC: 204-658-1                 | 50 ppm                       | 241 mg/m <sup>3</sup>  | 723 mg/m <sup>3</sup>  |
| Xylene<br>CAS: 1330-20-7 EC: 215-535-7                         | 50 ppm                       | 221 mg/m <sup>3</sup>  | 442 mg/m <sup>3</sup>  |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6 EC: 203-603-9 | 50 ppm                       | 275 mg/m <sup>3</sup>  | 550 mg/m <sup>3</sup>  |
| 2-butoxyethyl acetate<br>CAS: 112-07-2 EC: 203-933-3           | 20 ppm                       | 133 mg/m <sup>3</sup>  | 333 mg/m <sup>3</sup>  |
| Ethylbenzene<br>CAS: 100-41-4 EC: 202-849-4                    | 100 ppm                      | 442 mg/m <sup>3</sup>  | 884 mg/m <sup>3</sup>  |
| Ethylbenzene<br>CAS: 100-41-4 EC: 202-849-4                    | 100 ppm                      | 442 mg/m <sup>3</sup>  | 884 mg/m <sup>3</sup>  |
| Formaldehyde<br>CAS: 50-00-0 EC: 200-001-8                     | 0,3 ppm                      | 0,37 mg/m <sup>3</sup> | 0,74 mg/m <sup>3</sup> |
| triethylamine<br>CAS: 121-44-8 EC: 204-469-4                   | 2 ppm                        | 8,4 mg/m <sup>3</sup>  | 12,6 mg/m <sup>3</sup> |

##### DNEL (Workers):

| Identification                                    |            | Short exposure        |                       | Long exposure         |                       |
|---|------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   |            | Systemic              | Local                 | Systemic              | Local                 |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1 | Oral       | Non-applicable        | Non-applicable        | Non-applicable        | Non-applicable        |
|   | Dermal     | 11 mg/kg              | Non-applicable        | 11 mg/kg              | Non-applicable        |
|   | 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> |

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

| Identification  |            | Short exposure         |                        | Long exposure           |                         |
|---|------------|------------------------|------------------------|-------------------------|-------------------------|
|   |            | Systemic               | Local                  | Systemic                | Local                   |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7                         | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 212 mg/kg               | Non-applicable          |
|   | 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>   |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9 | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 796 mg/kg               | Non-applicable          |
|   | Inhalation | Non-applicable         | 550 mg/m <sup>3</sup>  | 275 mg/m <sup>3</sup>   | Non-applicable          |
| butan-1-ol<br>CAS: 71-36-3<br>EC: 200-751-6                       | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Inhalation | Non-applicable         | Non-applicable         | Non-applicable          | 310 mg/m <sup>3</sup>   |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3           | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | 120 mg/kg              | Non-applicable         | 169 mg/kg               | Non-applicable          |
|   | Inhalation | Non-applicable         | 333 mg/m <sup>3</sup>  | 133 mg/m <sup>3</sup>   | Non-applicable          |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 180 mg/kg               | Non-applicable          |
|   | Inhalation | Non-applicable         | 293 mg/m <sup>3</sup>  | 77 mg/m <sup>3</sup>    | Non-applicable          |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 180 mg/kg               | Non-applicable          |
|   | Inhalation | Non-applicable         | 293 mg/m <sup>3</sup>  | 77 mg/m <sup>3</sup>    | Non-applicable          |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8                     | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 240 mg/kg               | Non-applicable          |
|   | Inhalation | Non-applicable         | 0,75 mg/m <sup>3</sup> | 9 mg/m <sup>3</sup>     | 0,375 mg/m <sup>3</sup> |
| triethylamine<br>CAS: 121-44-8<br>EC: 204-469-4                   | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 12,1 mg/kg              | Non-applicable          |
|   | Inhalation | 12,6 mg/m <sup>3</sup> | 12,6 mg/m <sup>3</sup> | 8,4 mg/m <sup>3</sup>   | 8,4 mg/m <sup>3</sup>   |
| maleic anhydride<br>CAS: 108-31-6<br>EC: 203-571-6                | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable          |
|   | 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                  |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                 | Oral       | 2 mg/kg               | Non-applicable        | 2 mg/kg                  | Non-applicable         |
|   | Dermal     | 6 mg/kg               | Non-applicable        | 6 mg/kg                  | Non-applicable         |
|   | 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> |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7                         | Oral       | Non-applicable        | Non-applicable        | 12,5 mg/kg               | Non-applicable         |
|   | Dermal     | Non-applicable        | Non-applicable        | 125 mg/kg                | Non-applicable         |
|   | 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> |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9 | Oral       | Non-applicable        | Non-applicable        | 36 mg/kg                 | Non-applicable         |
|   | Dermal     | Non-applicable        | Non-applicable        | 320 mg/kg                | Non-applicable         |
|   | Inhalation | Non-applicable        | Non-applicable        | 33 mg/m <sup>3</sup>     | 33 mg/m <sup>3</sup>   |
| butan-1-ol<br>CAS: 71-36-3<br>EC: 200-751-6                       | Oral       | Non-applicable        | Non-applicable        | 1,562 mg/kg              | Non-applicable         |
|   | Dermal     | Non-applicable        | Non-applicable        | 3,125 mg/kg              | Non-applicable         |
|   | Inhalation | Non-applicable        | Non-applicable        | 55,357 mg/m <sup>3</sup> | 155 mg/m <sup>3</sup>  |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3           | Oral       | 36 mg/kg              | Non-applicable        | 8,6 mg/kg                | Non-applicable         |
|   | Dermal     | 72 mg/kg              | Non-applicable        | 102 mg/kg                | Non-applicable         |
|   | Inhalation | Non-applicable        | 200 mg/m <sup>3</sup> | 80 mg/m <sup>3</sup>     | Non-applicable         |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | Oral       | Non-applicable        | Non-applicable        | 1,6 mg/kg                | Non-applicable         |
|   | Dermal     | Non-applicable        | Non-applicable        | Non-applicable           | Non-applicable         |
|   | Inhalation | Non-applicable        | Non-applicable        | 15 mg/m <sup>3</sup>     | Non-applicable         |

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

| Identification                                 |            | Short exposure |                | Long exposure         |                       |
|--|------------|----------------|----------------|-----------------------|-----------------------|
|  |            | Systemic       | Local          | Systemic              | Local                 |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4 | Oral       | Non-applicable | Non-applicable | 1,6 mg/kg             | Non-applicable        |
|  | Dermal     | Non-applicable | Non-applicable | Non-applicable        | Non-applicable        |
|  | Inhalation | Non-applicable | Non-applicable | 15 mg/m <sup>3</sup>  | Non-applicable        |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8  | Oral       | Non-applicable | Non-applicable | 4,1 mg/kg             | Non-applicable        |
|  | Dermal     | Non-applicable | Non-applicable | 102 mg/kg             | Non-applicable        |
|  | Inhalation | Non-applicable | Non-applicable | 3,2 mg/m <sup>3</sup> | 0,1 mg/m <sup>3</sup> |

**PNEC:**

| Identification  |              |                |                         |             |
|---|--------------|----------------|-------------------------|-------------|
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                 | STP          | 35,6 mg/L      | Fresh water             | 0,18 mg/L   |
|   | Soil         | 0,09 mg/kg     | Marine water            | 0,018 mg/L  |
|   | Intermittent | 0,36 mg/L      | Sediment (Fresh water)  | 0,981 mg/kg |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,098 mg/kg |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7                         | 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         | Non-applicable | Sediment (Marine water) | 12,46 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         | Non-applicable | Sediment (Marine water) | 0,329 mg/kg |
| butan-1-ol<br>CAS: 71-36-3<br>EC: 200-751-6                       | STP          | 2476 mg/L      | Fresh water             | 0,082 mg/L  |
|   | Soil         | 0,017 mg/kg    | Marine water            | 0,008 mg/L  |
|   | Intermittent | 2,25 mg/L      | Sediment (Fresh water)  | 0,324 mg/kg |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,032 mg/kg |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3           | STP          | 90 mg/L        | Fresh water             | 0,304 mg/L  |
|   | Soil         | 0,415 mg/kg    | Marine water            | 0,03 mg/L   |
|   | Intermittent | 0,56 mg/L      | Sediment (Fresh water)  | 2,03 mg/kg  |
|   | Oral         | 0,06 g/kg      | Sediment (Marine water) | 0,203 mg/kg |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | STP          | 9,6 mg/L       | Fresh water             | 0,1 mg/L    |
|   | Soil         | 2,68 mg/kg     | Marine water            | 0,01 mg/L   |
|   | Intermittent | 0,1 mg/L       | Sediment (Fresh water)  | 13,7 mg/kg  |
|   | Oral         | 0,02 g/kg      | Sediment (Marine water) | 1,37 mg/kg  |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | STP          | 9,6 mg/L       | Fresh water             | 0,1 mg/L    |
|   | Soil         | 2,68 mg/kg     | Marine water            | 0,01 mg/L   |
|   | Intermittent | 0,1 mg/L       | Sediment (Fresh water)  | 13,7 mg/kg  |
|   | Oral         | 0,02 g/kg      | Sediment (Marine water) | 1,37 mg/kg  |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8                     | STP          | 0,19 mg/L      | Fresh water             | 0,44 mg/L   |
|   | Soil         | 0,2 mg/kg      | Marine water            | 0,44 mg/L   |
|   | Intermittent | 4,44 mg/L      | Sediment (Fresh water)  | 2,3 mg/kg   |
|   | Oral         | Non-applicable | Sediment (Marine water) | 2,3 mg/kg   |
| triethylamine<br>CAS: 121-44-8<br>EC: 204-469-4                   | STP          | 100 mg/L       | Fresh water             | 0,11 mg/L   |
|   | Soil         | 0,25 mg/kg     | Marine water            | 0,011 mg/L  |
|   | Intermittent | 0,08 mg/L      | Sediment (Fresh water)  | 1,575 mg/kg |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,158 mg/kg |
| 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         | Non-applicable | Sediment (Marine water) | 0,03 mg/kg  |

**8.2 Exposure controls:**

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

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

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 |  | EN 405:2002+A1:2010 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |

**C.- Specific protection for the hands**

| Pictogram  | PPE   | Labelling   | CEN Standard      | Remarks  |
|--|---|---|-------------------|--|
| <br>Mandatory hand protection | Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm) |  | 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 | Panoramic glasses against splash/projections. |  | EN 166:2002<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

**E.- Body protection**

| Pictogram   | PPE   | Labelling   | CEN Standard   | Remarks                                     |
|---|---|---|--|---|
| <br>Mandatory complete body protection | Antistatic and fireproof protective clothing                  |  | EN 1149-1:2006<br>EN 1149-2:1997<br>EN 1149-3:2004<br>EN 168:2002<br>EN ISO 14116:2015<br>EN 1149-5:2018 | Limited protection against flames.          |
| <br>Mandatory foot protection          | Safety footwear with antistatic and heat resistant properties |  | EN ISO 13287:2020<br>EN ISO 20345:2011   | Replace boots at any sign of deterioration. |

**F.- Additional emergency measures**

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

**Environmental exposure controls:**

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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties:**

\*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)

##### Appearance:

|                          |                  |
|--------------------------|------------------|
| Physical state at 20 °C: | Liquid           |
| Appearance:              | Fluid            |
| Colour:                  | Colourless       |
| Odour:                   | Characteristic   |
| Odour threshold:         | Non-applicable * |

##### Volatility:

|  |                       |
|--|-----------------------|
| Boiling point at atmospheric pressure: | 129 °C                |
| Vapour pressure at 20 °C:              | 1184 Pa               |
| Vapour pressure at 50 °C:              | 5759,12 Pa (5,76 kPa) |
| Evaporation rate at 20 °C:             | Non-applicable *      |

##### Product description:

|  |                             |
|--|-----------------------------|
| Density at 20 °C:                            | 910 - 920 kg/m <sup>3</sup> |
| Relative density at 20 °C:                   | 0,91 - 0,92                 |
| Dynamic viscosity at 20 °C:                  | Non-applicable *            |
| Kinematic viscosity at 20 °C:                | Non-applicable *            |
| Kinematic viscosity at 40 °C:                | <20,5 mm <sup>2</sup> /s    |
| Concentration:                               | Non-applicable *            |
| pH:  | Non-applicable *            |
| Vapour density at 20 °C:                     | Non-applicable *            |
| Partition coefficient n-octanol/water 20 °C: | Non-applicable *            |
| Solubility in water at 20 °C:                | Non-applicable *            |
| Solubility properties:                       | Non-applicable *            |
| Decomposition temperature:                   | Non-applicable *            |
| Melting point/freezing point:                | Non-applicable *            |

##### Flammability:

|                            |                  |
|----------------------------|------------------|
| Flash Point:               | 27 °C            |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature:  | 215 °C           |
| Lower flammability limit:  | Not available    |
| Upper flammability limit:  | Not available    |

##### Particle characteristics:

|                             |                |
|-----------------------------|----------------|
| Median equivalent diameter: | Non-applicable |
|-----------------------------|----------------|

#### 9.2 Other information:

##### Information with regard to physical hazard classes:

|  |                  |
|--|------------------|
| Explosive properties:  | Non-applicable * |
| Oxidising properties:  | Non-applicable * |
| Corrosive to metals:   | Non-applicable * |
| Heat of combustion:  | Non-applicable * |
| Aerosols-total percentage (by mass) of flammable components: | Non-applicable * |

##### Other safety characteristics:

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

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

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#### SECTION 10: STABILITY AND REACTIVITY

##### 10.1 Reactivity:

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

##### 10.2 Chemical stability:

Chemically stable under the 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: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

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

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

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

- Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.  
IARC: Formaldehyde (1); Xylene (3); Ethylbenzene (2B); Ethylbenzene (2B); Hydrocarbons, C9, aromatics (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

##### E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met. 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.

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

##### F- Specific target organ toxicity (STOT) - single 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.

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

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

##### H- Aspiration hazard:

The consumption of a considerable dose can cause pulmonary damage.

##### Other information:

Non-applicable

##### Specific toxicology information on the substances:

| Identification  | Acute toxicity  |                  | Genus  |
|---|-----------------|------------------|--------|
|   |                 |                  |        |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7                         | LD50 oral       | 2100 mg/kg       | Rat    |
|   | LD50 dermal     | 1100 mg/kg       | Rat    |
|   | LC50 inhalation | 11 mg/L (ATEi)   |        |
| butan-1-ol<br>CAS: 71-36-3<br>EC: 200-751-6                       | LD50 oral       | 500 mg/kg (ATEi) |        |
|   | LD50 dermal     | 3400 mg/kg       | Rabbit |
|   | LC50 inhalation | 24,66 mg/L (4 h) | Rat    |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | LD50 oral       | 3500 mg/kg       | Rat    |
|   | LD50 dermal     | 15354 mg/kg      | Rabbit |
|   | LC50 inhalation | 17,2 mg/L (4 h)  | Rat    |
| 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 | 23,4 mg/L (4 h)  | Rat    |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3           | LD50 oral       | 2100 mg/kg       | Rat    |
|   | LD50 dermal     | 1480 mg/kg       | Rabbit |
|   | LC50 inhalation | 11 mg/L (4 h)    | Rat    |
| 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 | 30 mg/L (4 h)    | Rat    |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | LD50 oral       | 3500 mg/kg       | Rat    |
|   | LD50 dermal     | 15354 mg/kg      | Rabbit |
|   | LC50 inhalation | 17,2 mg/L (4 h)  | Rat    |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8                     | LD50 oral       | 100 mg/kg        |        |
|   | LD50 dermal     | 300 mg/kg        |        |
|   | LC50 inhalation | Non-applicable   |        |
| triethylamine<br>CAS: 121-44-8<br>EC: 204-469-4                   | LD50 oral       | 730 mg/kg        | Rat    |
|   | LD50 dermal     | 580 mg/kg        | Rabbit |
|   | LC50 inhalation | Non-applicable   |        |

##### 11.2 Information on other hazards:

###### Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

###### Other information

Non-applicable

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#### SECTION 12: ECOLOGICAL INFORMATION \*\*

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

##### 12.1 Toxicity:

###### Acute toxicity:

| Identification  | Concentration |                       | Species                 | Genus      |
|---|---------------|-----------------------|-------------------------|------------|
|   | LC50          | EC50                  |                         |            |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                 | LC50          | Non-applicable        |                         |            |
|   | EC50          | Non-applicable        |                         |            |
|   | EC50          | 675 mg/L (72 h)       | Scenedesmus subspicatus | Algae      |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7                         | LC50          | >10 - 100 mg/L (96 h) |                         | Fish       |
|   | EC50          | >10 - 100 mg/L (48 h) |                         | Crustacean |
|   | EC50          | >10 - 100 mg/L (72 h) |                         | Algae      |
| 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          | Non-applicable        |                         |            |
| butan-1-ol<br>CAS: 71-36-3<br>EC: 200-751-6                       | LC50          | 1740 mg/L (96 h)      | Pimephales promelas     | Fish       |
|   | EC50          | 1983 mg/L (48 h)      | Daphnia magna           | Crustacean |
|   | EC50          | 500 mg/L (96 h)       | Scenedesmus subspicatus | Algae      |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3           | LC50          | 80 mg/L (48 h)        | Leuciscus idus          | Fish       |
|   | EC50          | 37 mg/L (48 h)        | Daphnia magna           | Crustacean |
|   | EC50          | 500 mg/L (72 h)       | Scenedesmus subspicatus | Algae      |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | LC50          | 42,3 mg/L (96 h)      | Pimephales promelas     | Fish       |
|   | EC50          | 75 mg/L (48 h)        | Daphnia magna           | Crustacean |
|   | EC50          | 63 mg/L (3 h)         | Chlorella vulgaris      | Algae      |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | LC50          | 42,3 mg/L (96 h)      | Pimephales promelas     | Fish       |
|   | EC50          | 75 mg/L (48 h)        | Daphnia magna           | Crustacean |
|   | EC50          | 63 mg/L (3 h)         | Chlorella vulgaris      | Algae      |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8                     | LC50          | 100 mg/L (96 h)       | Lepomis macrochirus     | Fish       |
|   | EC50          | 42 mg/L (24 h)        | Daphnia magna           | Crustacean |
|   | EC50          | Non-applicable        |                         |            |
| triethylamine<br>CAS: 121-44-8<br>EC: 204-469-4                   | LC50          | 43,7 mg/L (96 h)      | Pimephales promelas     | Fish       |
|   | EC50          | 200 mg/L (48 h)       | Daphnia magna           | Crustacean |
|   | EC50          | Non-applicable        |                         |            |

###### Chronic toxicity:

| Identification   | Concentration |                | Species             | Genus      |
|--|---------------|----------------|---------------------|------------|
|  | NOEC          | EC50           |                     |            |
| N-butyl acetate<br>CAS: 123-86-4 EC: 204-658-1                 | NOEC          | Non-applicable |                     |            |
|  | NOEC          | 23,2 mg/L      | Daphnia magna       | Crustacean |
| Xylene<br>CAS: 1330-20-7 EC: 215-535-7                         | NOEC          | 1,3 mg/L       | Oncorhynchus mykiss | Fish       |
|  | NOEC          | 1,17 mg/L      | Ceriodaphnia dubia  | 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 |
| butan-1-ol<br>CAS: 71-36-3 EC: 200-751-6                       | NOEC          | Non-applicable |                     |            |
|  | NOEC          | 4,1 mg/L       | Daphnia magna       | Crustacean |
| Ethylbenzene<br>CAS: 100-41-4 EC: 202-849-4                    | NOEC          | Non-applicable |                     |            |
|  | NOEC          | 0,96 mg/L      | Ceriodaphnia dubia  | Crustacean |
| Ethylbenzene<br>CAS: 100-41-4 EC: 202-849-4                    | NOEC          | Non-applicable |                     |            |
|  | NOEC          | 0,96 mg/L      | Ceriodaphnia dubia  | Crustacean |
| Formaldehyde<br>CAS: 50-00-0 EC: 200-001-8                     | NOEC          | Non-applicable |                     |            |
|  | NOEC          | 6,4 mg/L       | Daphnia magna       | Crustacean |
| triethylamine<br>CAS: 121-44-8 EC: 204-469-4                   | NOEC          | Non-applicable |                     |            |
|  | NOEC          | 11 mg/L        | Daphnia magna       | Crustacean |

##### 12.2 Persistence and degradability:

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

**Substance-specific information:**

| Identification  | Degradability |                | Biodegradability |                |
|---|---------------|----------------|------------------|----------------|
|   |               |                |                  |                |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                 | BOD5          | Non-applicable | Concentration    | Non-applicable |
|   | COD           | Non-applicable | Period           | 5 days         |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 84 %           |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7                         | BOD5          | Non-applicable | Concentration    | Non-applicable |
|   | COD           | Non-applicable | Period           | 28 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 88 %           |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9 | BOD5          | Non-applicable | Concentration    | 785 mg/L       |
|   | COD           | Non-applicable | Period           | 8 days         |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 100 %          |
| butan-1-ol<br>CAS: 71-36-3<br>EC: 200-751-6                       | BOD5          | 1,71 g O2/g    | Concentration    | Non-applicable |
|   | COD           | 2,46 g O2/g    | Period           | 19 days        |
|   | BOD5/COD      | 0,7            | % Biodegradable  | 98 %           |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3           | BOD5          | Non-applicable | Concentration    | 30 mg/L        |
|   | COD           | Non-applicable | Period           | 28 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 77,3 %         |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
|   | COD           | Non-applicable | Period           | 14 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 90 %           |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
|   | COD           | Non-applicable | Period           | 14 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 90 %           |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8                     | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
|   | COD           | Non-applicable | Period           | 14 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 92 %           |
| triethylamine<br>CAS: 121-44-8<br>EC: 204-469-4                   | BOD5          | Non-applicable | Concentration    | 26 mg/L        |
|   | COD           | Non-applicable | Period           | 28 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 85 %           |

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

| Identification  | Bioaccumulation potential |      |
|---|---------------------------|------|
|   |                           |      |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                 | BCF                       | 4    |
|   | Pow Log                   | 1.78 |
|   | Potential                 | Low  |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7                         | BCF                       | 9    |
|   | Pow Log                   | 2.77 |
|   | 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  |
| butan-1-ol<br>CAS: 71-36-3<br>EC: 200-751-6                       | BCF                       | 1    |
|   | Pow Log                   | 0.88 |
|   | Potential                 | Low  |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3           | BCF                       | 3    |
|   | Pow Log                   | 1.51 |
|   | Potential                 | Low  |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | BCF                       | 1    |
|   | Pow Log                   | 3.15 |
|   | Potential                 | Low  |

\*\* Changes with regards to the previous version



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

| Identification                                  | Bioaccumulation potential |         |
|---|---------------------------|---------|
|   | BCF                       | Pow Log |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4  | 1                         | 3.15    |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8   | 3                         | 0.35    |
| triethylamine<br>CAS: 121-44-8<br>EC: 204-469-4 | 5                         | 1.45    |
|   | Potential                 | Low     |

**12.4 Mobility in soil:**

| Identification  | Absorption/desorption |                | Volatility |                |
|---|-----------------------|----------------|------------|----------------|
|   | Koc                   | Conclusion     | Henry      | Non-applicable |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1       | Non-applicable        | Non-applicable | Dry soil   | Non-applicable |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7               | 202                   | Moderate       | Dry soil   | Yes            |
| butan-1-ol<br>CAS: 71-36-3<br>EC: 200-751-6             | 2.44                  | Very High      | Dry soil   | Yes            |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3 | Non-applicable        | Non-applicable | Dry soil   | No             |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4          | 520                   | Moderate       | Dry soil   | Yes            |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4          | 520                   | Moderate       | Dry soil   | Yes            |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8           | Non-applicable        | Non-applicable | Dry soil   | Non-applicable |
| triethylamine<br>CAS: 121-44-8<br>EC: 204-469-4         | 145                   | Very High      | Dry soil   | Non-applicable |
| maleic anhydride<br>CAS: 108-31-6<br>EC: 203-571-6      | Non-applicable        | Non-applicable | Dry soil   | Non-applicable |

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

Product fails to meet PBT/vPvB criteria

**12.6 Endocrine disrupting properties:**

Endocrine-disrupting properties: The product fails to meet the criteria.

**12.7 Other adverse effects:**

Not described

\*\* Changes with regards to the previous version

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

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**SECTION 13: DISPOSAL CONSIDERATIONS (continued)**

| Code | Description   | Waste class (Regulation (EU) No 1357/2014) |
|------|---|--|
|      | It is not possible to assign a specific code, as it depends on the intended use by the user | Dangerous                                  |

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

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-dangerous 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 2021 and RID 2021:



- 14.1 UN number or ID number:** UN1993
- 14.2 UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (N-butyl acetate)
- 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: 274, 601  
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:** Non-applicable

**Transport of dangerous goods by sea:**

With regard to IMDG 40-20:



- 14.1 UN number or ID number:** UN1993
- 14.2 UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (N-butyl acetate)
- 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: 274, 223, 955  
EmS Codes: F-E, S-E  
Physico-Chemical properties: see section 9  
Limited quantities: 5 L  
Segregation group: Non-applicable
- 14.7 Maritime transport in bulk according to IMO instruments:** Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2022:

**SECTION 14: TRANSPORT INFORMATION (continued)**



- 14.1 UN number or ID number:** UN1993
- 14.2 UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (N-butyl acetate)
- 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:** Non-applicable

**SECTION 15: REGULATORY INFORMATION**

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable  
 Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable  
 Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable  
 Article 95, REGULATION (EU) No 528/2012: Formaldehyde (Product-type 2, 3, 22)  
 REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Seveso III:**

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

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

Shall not be used in:  
 —ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,  
 —tricks and jokes,  
 —games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

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

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

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

**SECTION 16: OTHER INFORMATION**

**Legislation related to safety data sheets:**

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

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



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

COMMISSION REGULATION (EU) 2020/878

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

- New declared substances  
2-methoxy-1-methylethyl acetate (108-65-6)
- Removed substances  
2-methoxy-1-methylethyl acetate (108-65-6)

Substances that contribute to the classification (SECTION 2):

- New declared substances  
2-methoxy-1-methylethyl acetate (108-65-6)
- Removed substances  
Ethylbenzene (100-41-4)

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

H336: May cause drowsiness or dizziness.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H317: May cause an allergic skin reaction.

H304: May be fatal if swallowed and enters airways.

H226: Flammable liquid and vapour.

#### 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. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.

Acute Tox. 3: H311+H331 - Toxic in contact with skin or if inhaled.

Acute Tox. 4: H302 - Harmful if swallowed.

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

Acute Tox. 4: H332 - Harmful if inhaled.

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. 1B: H350 - May cause cancer.

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

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.

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. 1A: H314 - Causes severe skin burns and eye damage.

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

Skin Irrit. 2: H315 - Causes skin irritation.

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

Skin Sens. 1A: 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 (Inhalation).

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

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:

STOT SE 3: Calculation method

Skin Irrit. 2: Calculation method

Eye Dam. 1: Calculation method

Skin Sens. 1A: Calculation method

Asp. Tox. 1: Calculation method

Flam. Liq. 3: Calculation method (2.6.4.3)

#### Advice related to training:

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

#### Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

#### Abbreviations and acronyms:

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#### 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

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 -