# HS 5:1

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

**1.1 Product identifier:** HS 5:1

**Other means of identification:**

**UFI:** 0Q45-C0JY-J00M-6MYK

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

Relevant uses: Car repair; base for coatings. 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:**

Troton Sp. z o.o.
Ząbrowo 14A
78-120 Gościno - Zachodniopomorskie - Polska
Phone: +48 94 35 123 94 - Fax: +48 94 35 126 22
troton@troton.com.pl
www.troton.pl / www.troton.eu

**1.4 Emergency telephone number:** ( 8am-4pm)+48 094 35 123 94; 112

## 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 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 (Oral), H373

**2.2 Label elements:**

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

**Danger**

**Hazard statements:**

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 (Oral).

**Precautionary statements:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

**Supplementary information:**

EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**Substances that contribute to the classification**

Xylene

*** Changes with regards to the previous version*

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

**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: 1330-20-7<br>EC: 215-535-7<br>Index: 601-022-00-9<br>REACH: 01-2119488216-32-XXXX | **Xylene(1)** | Self-classified | **10 - <25 %** |
| | 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: 13463-67-7<br>EC: 236-675-5<br>Index: 022-006-00-2<br>REACH: 01-2119489379-17-XXXX | **Titanium dioxide (aerodynamic diameter ≤ 10 µm)(1)** | ATP ATP14 | **5 - <10 %** |
| | Regulation 1272/2008 | Carc. 2: H351 - Warning | |
| CAS: 123-86-4<br>EC: 204-658-1<br>Index: 607-025-00-1<br>REACH: 01-2119485493-29-XXXX | **N-butyl acetate(1)** | ATP CLP00 | **5 - <10 %** |
| | Regulation 1272/2008 | Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning | |
| CAS: 112-07-2<br>EC: 203-933-3<br>Index: 607-038-00-2<br>REACH: 01-2119475112-47-XXXX | **2-butoxyethyl acetate(1)** | ATP CLP00 | **1 - <2,5 %** |
| | 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 | **Ethylbenzene(2)** | ATP ATP06 | **<1 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger | |
| CAS: 108-65-6<br>EC: 203-603-9<br>Index: 607-195-00-7<br>REACH: 01-2119475791-29-XXXX | **2-methoxy-1-methylethyl acetate(2)** | ATP ATP01 | **<1 %** |
| | Regulation 1272/2008 | Flam. Liq. 3: H226 - Warning | |
| CAS: 14808-60-7<br>EC: 238-878-4<br>Index: Non-applicable<br>REACH: Non-applicable | **Quartz (1 %< RCS < 10%)(2)** | Self-classified | **<1 %** |
| | Regulation 1272/2008 | STOT RE 2: H373 - Warning | |
| CAS: 80-62-6<br>EC: 201-297-1<br>Index: 607-035-00-6<br>REACH: 01-2119452498-28-XXXX | **Methyl methacrylate(2)** | ATP CLP00 | **<1 %** |
| | Regulation 1272/2008 | Flam. Liq. 2: H225; Skin Irrit. 2: H315; Skin Sens. 1: H317; 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 | **n-butyl acrylate(2)** | Self-classified | **<1 %** |
| | 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: 111-76-2<br>EC: 203-905-0<br>Index: 603-014-00-0<br>REACH: 01-2119475108-36-XXXX | **2-butoxyethanol(2)** | ATP ATP15 | **<1 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H302+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning | |

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) 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)

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

*** Changes with regards to the previous version*

## SECTION 4: FIRST AID MEASURES

**4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

**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

## 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 ($CO_2$).

**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

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## SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

**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

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.: | 15 ºC |
| Maximum Temp.: | 25 ºC |
| Maximum time: | 12 Months |

B.- General conditions for storage

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

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

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

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

### 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 | | |
|---|---|---|---|
| Xylene | IOELV (8h) | 50 ppm | 221 mg/m³ |
| CAS: 1330-20-7 EC: 215-535-7 | IOELV (STEL) | 100 ppm | 442 mg/m³ |
| N-butyl acetate | IOELV (8h) | 50 ppm | 241 mg/m³ |
| CAS: 123-86-4 EC: 204-658-1 | IOELV (STEL) | 150 ppm | 723 mg/m³ |
| 2-butoxyethyl acetate | IOELV (8h) | 20 ppm | 133 mg/m³ |
| CAS: 112-07-2 EC: 203-933-3 | IOELV (STEL) | 50 ppm | 333 mg/m³ |
| Ethylbenzene | IOELV (8h) | 100 ppm | 442 mg/m³ |
| CAS: 100-41-4 EC: 202-849-4 | IOELV (STEL) | 200 ppm | 884 mg/m³ |
| 2-methoxy-1-methylethyl acetate | IOELV (8h) | 50 ppm | 275 mg/m³ |
| CAS: 108-65-6 EC: 203-603-9 | IOELV (STEL) | 100 ppm | 550 mg/m³ |
| Quartz (1 %< RCS < 10%) | IOELV (8h) | | 0,1 mg/m³ |
| CAS: 14808-60-7 EC: 238-878-4 | IOELV (STEL) | | |
| Methyl methacrylate | IOELV (8h) | 50 ppm | |
| CAS: 80-62-6 EC: 201-297-1 | IOELV (STEL) | 100 ppm | |
| n-butyl acrylate | IOELV (8h) | 2 ppm | 11 mg/m³ |
| CAS: 141-32-2 EC: 205-480-7 | IOELV (STEL) | 10 ppm | 53 mg/m³ |
| 2-butoxyethanol | IOELV (8h) | 20 ppm | 98 mg/m³ |
| CAS: 111-76-2 EC: 203-905-0 | IOELV (STEL) | 50 ppm | 246 mg/m³ |

**DNEL (Workers):**

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| Xylene | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 1330-20-7 | Dermal | Non-applicable | Non-applicable | 212 mg/kg | Non-applicable |
| EC: 215-535-7 | Inhalation | 442 mg/m³ | 442 mg/m³ | 221 mg/m³ | 221 mg/m³ |
| N-butyl acetate | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 123-86-4 | Dermal | 11 mg/kg | Non-applicable | 11 mg/kg | Non-applicable |
| EC: 204-658-1 | Inhalation | 600 mg/m³ | 600 mg/m³ | 300 mg/m³ | 300 mg/m³ |
| 2-butoxyethyl acetate | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 112-07-2 | Dermal | 120 mg/kg | Non-applicable | 169 mg/kg | Non-applicable |
| EC: 203-933-3 | Inhalation | Non-applicable | 333 mg/m³ | 133 mg/m³ | Non-applicable |
| Ethylbenzene | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 100-41-4 | Dermal | Non-applicable | Non-applicable | 180 mg/kg | Non-applicable |
| EC: 202-849-4 | Inhalation | Non-applicable | 293 mg/m³ | 77 mg/m³ | Non-applicable |
| 2-methoxy-1-methylethyl acetate | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 108-65-6 | Dermal | Non-applicable | Non-applicable | 796 mg/kg | Non-applicable |
| EC: 203-603-9 | Inhalation | Non-applicable | 550 mg/m³ | 275 mg/m³ | Non-applicable |
| Methyl methacrylate | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 80-62-6 | Dermal | Non-applicable | Non-applicable | 13,67 mg/kg | Non-applicable |
| EC: 201-297-1 | Inhalation | Non-applicable | 416 mg/m³ | 348,4 mg/m³ | 208 mg/m³ |
| n-butyl acrylate | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 141-32-2 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 205-480-7 | Inhalation | Non-applicable | Non-applicable | Non-applicable | 11 mg/m³ |
| 2-butoxyethanol | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 111-76-2 | Dermal | 89 mg/kg | Non-applicable | 125 mg/kg | Non-applicable |
| EC: 203-905-0 | Inhalation | 1091 mg/m³ | 246 mg/m³ | 98 mg/m³ | Non-applicable |

**DNEL (General population):**

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

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| Xylene | Oral | Non-applicable | Non-applicable | 12,5 mg/kg | Non-applicable |
| CAS: 1330-20-7 | Dermal | Non-applicable | Non-applicable | 125 mg/kg | Non-applicable |
| EC: 215-535-7 | Inhalation | 260 mg/m³ | 260 mg/m³ | 65,3 mg/m³ | 65,3 mg/m³ |
| N-butyl acetate | Oral | 2 mg/kg | Non-applicable | 2 mg/kg | Non-applicable |
| CAS: 123-86-4 | Dermal | 6 mg/kg | Non-applicable | 6 mg/kg | Non-applicable |
| EC: 204-658-1 | Inhalation | 300 mg/m³ | 300 mg/m³ | 35,7 mg/m³ | 35,7 mg/m³ |
| 2-butoxyethyl acetate | Oral | 36 mg/kg | Non-applicable | 8,6 mg/kg | Non-applicable |
| CAS: 112-07-2 | Dermal | 72 mg/kg | Non-applicable | 102 mg/kg | Non-applicable |
| EC: 203-933-3 | Inhalation | Non-applicable | 200 mg/m³ | 80 mg/m³ | Non-applicable |
| Ethylbenzene | Oral | Non-applicable | Non-applicable | 1,6 mg/kg | Non-applicable |
| CAS: 100-41-4 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 202-849-4 | Inhalation | Non-applicable | Non-applicable | 15 mg/m³ | Non-applicable |
| 2-methoxy-1-methylethyl acetate | Oral | Non-applicable | Non-applicable | 36 mg/kg | Non-applicable |
| CAS: 108-65-6 | Dermal | Non-applicable | Non-applicable | 320 mg/kg | Non-applicable |
| EC: 203-603-9 | Inhalation | Non-applicable | Non-applicable | 33 mg/m³ | 33 mg/m³ |
| Methyl methacrylate | Oral | Non-applicable | Non-applicable | 8,2 mg/kg | Non-applicable |
| CAS: 80-62-6 | Dermal | Non-applicable | Non-applicable | 8,2 mg/kg | Non-applicable |
| EC: 201-297-1 | Inhalation | Non-applicable | 208 mg/m³ | 74,3 mg/m³ | 104 mg/m³ |
| 2-butoxyethanol | Oral | Non-applicable | Non-applicable | 6,3 mg/kg | Non-applicable |
| CAS: 111-76-2 | Dermal | 89 mg/kg | Non-applicable | 75 mg/kg | Non-applicable |
| EC: 203-905-0 | Inhalation | 426 mg/m³ | 147 mg/m³ | 59 mg/m³ | Non-applicable |

**PNEC:**

| Identification | | | | |
|---|---|---|---|---|
| Xylene | STP | 6,58 mg/L | Fresh water | 0,327 mg/L |
| CAS: 1330-20-7 | Soil | 2,31 mg/kg | Marine water | 0,327 mg/L |
| EC: 215-535-7 | Intermittent | 0,327 mg/L | Sediment (Fresh water) | 12,46 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 12,46 mg/kg |
| N-butyl acetate | STP | 35,6 mg/L | Fresh water | 0,18 mg/L |
| CAS: 123-86-4 | Soil | 0,09 mg/kg | Marine water | 0,018 mg/L |
| EC: 204-658-1 | Intermittent | 0,36 mg/L | Sediment (Fresh water) | 0,981 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,098 mg/kg |
| 2-butoxyethyl acetate | STP | 90 mg/L | Fresh water | 0,304 mg/L |
| CAS: 112-07-2 | Soil | 0,415 mg/kg | Marine water | 0,03 mg/L |
| EC: 203-933-3 | 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 | STP | 9,6 mg/L | Fresh water | 0,1 mg/L |
| CAS: 100-41-4 | Soil | 2,68 mg/kg | Marine water | 0,01 mg/L |
| EC: 202-849-4 | Intermittent | 0,1 mg/L | Sediment (Fresh water) | 13,7 mg/kg |
| | Oral | 0,02 g/kg | Sediment (Marine water) | 1,37 mg/kg |
| 2-methoxy-1-methylethyl acetate | STP | 100 mg/L | Fresh water | 0,635 mg/L |
| CAS: 108-65-6 | Soil | 0,29 mg/kg | Marine water | 0,064 mg/L |
| EC: 203-603-9 | Intermittent | 6,35 mg/L | Sediment (Fresh water) | 3,29 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,329 mg/kg |
| Methyl methacrylate | STP | 10 mg/L | Fresh water | 0,94 mg/L |
| CAS: 80-62-6 | Soil | 1,48 mg/kg | Marine water | 0,094 mg/L |
| EC: 201-297-1 | Intermittent | 0,94 mg/L | Sediment (Fresh water) | 10,2 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,102 mg/kg |
| n-butyl acrylate | STP | 3,5 mg/L | Fresh water | 0,003 mg/L |
| CAS: 141-32-2 | Soil | 1 mg/kg | Marine water | 0 mg/L |
| EC: 205-480-7 | Intermittent | 0,011 mg/L | Sediment (Fresh water) | 0,034 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,003 mg/kg |

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

| Identification | | | | |
|---|---|---|---|---|
| 2-butoxyethanol | STP | 463 mg/L | Fresh water | 8,8 mg/L |
| CAS: 111-76-2 | Soil | 2,33 mg/kg | Marine water | 0,88 mg/L |
| EC: 203-905-0 | Intermittent | 26,4 mg/L | Sediment (Fresh water) | 34,6 mg/kg |
| | Oral | 0,02 g/kg | Sediment (Marine water) | 3,46 mg/kg |

**8.2 Exposure controls:**

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

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory respiratory tract protection | Filter mask for gases and vapours (Filter type: A) | CE CAT III | EN 405:2002+A1:2010 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |
|  Mandatory respiratory tract protection | Filter mask for gases and vapours (Filter type: FFP3) | CE CAT III | EN 405:2002+A1:2010 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |

C.- Specific protection for the hands

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory hand protection | NON-disposable chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm) | CE 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 |
|---|---|---|---|---|
|  Mandatory face protection | Panoramic glasses against splash/projections. | CE CAT II | 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 |
|---|---|---|---|---|
|  Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties | CE CAT III | EN 1149-1,2,3<br>EN 13034:2005+A1:2009<br>EN ISO 13982-1:2004/A1:2010<br>EN ISO 6529:2013<br>EN ISO 6530:2005<br>EN ISO 13688:2013<br>EN 464:1994 | For professional use only. Clean periodically according to the manufacturer´s instructions. |
|  Mandatory foot protection | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties | CE CAT III | EN ISO 13287:2020<br>EN ISO 20345:2011<br>EN 13832-1:2019 | Replace boots at any sign of deterioration. |

F.- Additional emergency measures

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

| Emergency measure | Standards | Emergency measure | Standards |
|---|---|---|---|
|  Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 |  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

**Volatile organic compounds:**

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

| | |
|---|---|
| V.O.C. (Supply): | 23,11 % weight |
| V.O.C. density at 20 ºC: | 538 kg/m³ (538 g/L) |
| Average carbon number: | 7,22 |
| Average molecular weight: | 115,31 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 ºC: | Liquid |
| Appearance: | Viscous |
| Colour: | According to the markings on the package |
| Odour: | Characteristic |
| Odour threshold: | Non-applicable * |

**Volatility:**

| | |
|---|---|
| Boiling point at atmospheric pressure: | 118 ºC |
| Vapour pressure at 20 ºC: | 2098 Pa |
| Vapour pressure at 50 ºC: | 11040,17 Pa (11,04 kPa) |
| Evaporation rate at 20 ºC: | Non-applicable * |

**Product description:**

| | |
|---|---|
| Density at 20 ºC: | 1620 kg/m³ |
| Relative density at 20 ºC: | 1,62 |
| Dynamic viscosity at 20 ºC: | 2,03 cP |
| Kinematic viscosity at 20 ºC: | 1,28 mm²/s |
| Kinematic viscosity at 40 ºC: | <20,5 mm²/s |
| Concentration: | Non-applicable * |
| pH: | Non-applicable * |
| Vapour density at 20 ºC: | Non-applicable * |
| Partition coefficient n-octanol/water 20 ºC: | Non-applicable * |
| Solubility in water at 20 ºC: | Non-applicable * |
| Solubility properties: | Non-applicable * |
| Decomposition temperature: | Non-applicable * |
| Melting point/freezing point: | Non-applicable * |

**Flammability:**

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

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

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

| | |
|---|---|
| Flash Point: | 34 ºC |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature: | 238 ºC |
| 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 ºC: | Non-applicable * |
| Refraction index: | Non-applicable * |

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

*** Changes with regards to the previous version*

## 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 ($CO_2$), 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

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

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

**Dangerous health implications:**

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

A- Ingestion (acute effect):

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

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

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

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces 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: Xylene (3); Ethylbenzene (2B); Methyl methacrylate (3); n-butyl acrylate (3); Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (3); 2-butoxyethanol (3); Talc (3); Carbon black (2B); Quartz (1 %< RCS < 10%) (1); Titanium dioxide (aerodynamic diameter ≤ 10 µm) (2B)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: 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:

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

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

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

The consumption of a considerable dose can cause pulmonary damage.

**Other information:**

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

**Specific toxicology information on the substances:**

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| N-butyl acetate | LD50 oral | 12789 mg/kg | Rat |
| CAS: 123-86-4 | LD50 dermal | 14112 mg/kg | Rabbit |
| EC: 204-658-1 | LC50 inhalation | 23,4 mg/L (4 h) | Rat |

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

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

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| Xylene | LD50 oral | 2100 mg/kg | Rat |
| CAS: 1330-20-7 | LD50 dermal | 1100 mg/kg | Rat |
| EC: 215-535-7 | LC50 inhalation | 11 mg/L (ATEi) | |
| 2-butoxyethyl acetate | LD50 oral | 2100 mg/kg | Rat |
| CAS: 112-07-2 | LD50 dermal | 1480 mg/kg | Rabbit |
| EC: 203-933-3 | LC50 inhalation | 11 mg/L (4 h) | Rat |
| Titanium dioxide (aerodynamic diameter ≤ 10 µm) | LD50 oral | 10000 mg/kg | Rat |
| CAS: 13463-67-7 | LD50 dermal | 10000 mg/kg | Rabbit |
| EC: 236-675-5 | LC50 inhalation | >5 mg/L | |
| Ethylbenzene | LD50 oral | 3500 mg/kg | Rat |
| CAS: 100-41-4 | LD50 dermal | 15354 mg/kg | Rabbit |
| EC: 202-849-4 | LC50 inhalation | 17,2 mg/L (4 h) | Rat |
| 2-methoxy-1-methylethyl acetate | LD50 oral | 8532 mg/kg | Rat |
| CAS: 108-65-6 | LD50 dermal | 5100 mg/kg | Rat |
| EC: 203-603-9 | LC50 inhalation | 30 mg/L (4 h) | Rat |
| Quartz (1 %< RCS < 10%) | LD50 oral | >2000 mg/kg | |
| CAS: 14808-60-7 | LD50 dermal | >2000 mg/kg | |
| EC: 238-878-4 | LC50 inhalation | >5 mg/L | |
| Methyl methacrylate | LD50 oral | >2000 mg/kg | |
| CAS: 80-62-6 | LD50 dermal | >2000 mg/kg | |
| EC: 201-297-1 | LC50 inhalation | >20 mg/L | |
| n-butyl acrylate | LD50 oral | 4000 mg/kg | |
| CAS: 141-32-2 | LD50 dermal | >2000 mg/kg | |
| EC: 205-480-7 | LC50 inhalation | >20 mg/L | |
| 2-butoxyethanol | LD50 oral | 1200 mg/kg | Rat |
| CAS: 111-76-2 | LD50 dermal | 3000 mg/kg | Rabbit |
| EC: 203-905-0 | LC50 inhalation | >20 mg/L | |

**Acute Toxicity Estimate (ATE mix):**

| ATE mix | | Ingredient(s) of unknown toxicity |
|---|---|---|
| Oral | >2000 mg/kg (Calculation method) | Non-applicable |
| Dermal | 8821,78 mg/kg (Calculation method) | 0 % |
| Inhalation | 84,76 mg/L (4 h) (Calculation method) | 0 % |

**11.2 Information on other hazards:**

**Endocrine disrupting properties**

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

**Other information**

Non-applicable

*** Changes with regards to the previous version*

## SECTION 12: ECOLOGICAL INFORMATION **

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

**12.1 Toxicity:**

**Acute toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| Xylene | LC50 | >10 - 100 mg/L (96 h) | | Fish |
| CAS: 1330-20-7 | EC50 | >10 - 100 mg/L (48 h) | | Crustacean |
| EC: 215-535-7 | EC50 | >10 - 100 mg/L (72 h) | | Algae |

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

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

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| N-butyl acetate | LC50 | Non-applicable | | |
| CAS: 123-86-4 | EC50 | Non-applicable | | |
| EC: 204-658-1 | EC50 | 675 mg/L (72 h) | Scenedesmus subspicatus | Algae |
| 2-butoxyethyl acetate | LC50 | 80 mg/L (48 h) | Leuciscus idus | Fish |
| CAS: 112-07-2 | EC50 | 37 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 203-933-3 | EC50 | 500 mg/L (72 h) | Scenedesmus subspicatus | Algae |
| Ethylbenzene | LC50 | 42,3 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 100-41-4 | EC50 | 75 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 202-849-4 | EC50 | 63 mg/L (3 h) | Chlorella vulgaris | Algae |
| 2-methoxy-1-methylethyl acetate | LC50 | 161 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 108-65-6 | EC50 | 481 mg/L (48 h) | Daphnia sp. | Crustacean |
| EC: 203-603-9 | EC50 | Non-applicable | | |
| Methyl methacrylate | LC50 | 191 mg/L (96 h) | Lepomis macrochirus | Fish |
| CAS: 80-62-6 | EC50 | 69 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 201-297-1 | EC50 | 170 mg/L (96 h) | Selenastrum capricornutum | Algae |
| n-butyl acrylate | LC50 | 5,2 mg/L (96 h) | Salmo gairdneri | Fish |
| CAS: 141-32-2 | EC50 | 230 mg/L (24 h) | Daphnia magna | Crustacean |
| EC: 205-480-7 | EC50 | 5,5 mg/L (96 h) | Selenastrum capricornutum | Algae |
| 2-butoxyethanol | LC50 | 1490 mg/L (96 h) | Lepomis macrochirus | Fish |
| CAS: 111-76-2 | EC50 | 1815 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 203-905-0 | EC50 | 911 mg/L (72 h) | Pseudokirchneriella subcapitata | Algae |

**Chronic toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| Xylene | NOEC | 1,3 mg/L | Oncorhynchus mykiss | Fish |
| CAS: 1330-20-7 EC: 215-535-7 | NOEC | 1,17 mg/L | Ceriodaphnia dubia | Crustacean |
| N-butyl acetate | NOEC | Non-applicable | | |
| CAS: 123-86-4 EC: 204-658-1 | NOEC | 23,2 mg/L | Daphnia magna | Crustacean |
| Ethylbenzene | NOEC | Non-applicable | | |
| CAS: 100-41-4 EC: 202-849-4 | NOEC | 0,96 mg/L | Ceriodaphnia dubia | Crustacean |
| 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 |
| Methyl methacrylate | NOEC | 9,4 mg/L | Danio rerio | Fish |
| CAS: 80-62-6 EC: 201-297-1 | NOEC | 37 mg/L | Daphnia magna | Crustacean |
| n-butyl acrylate | NOEC | Non-applicable | | |
| CAS: 141-32-2 EC: 205-480-7 | NOEC | 0,136 mg/L | Daphnia magna | Crustacean |
| 2-butoxyethanol | NOEC | 100 mg/L | Danio rerio | Fish |
| CAS: 111-76-2 EC: 203-905-0 | NOEC | 100 mg/L | Daphnia magna | Crustacean |

### 12.2 Persistence and degradability:

**Substance-specific information:**

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| Xylene | BOD5 | Non-applicable | Concentration | Non-applicable |
| CAS: 1330-20-7 | COD | Non-applicable | Period | 28 days |
| EC: 215-535-7 | BOD5/COD | Non-applicable | % Biodegradable | 88 % |
| N-butyl acetate | BOD5 | Non-applicable | Concentration | Non-applicable |
| CAS: 123-86-4 | COD | Non-applicable | Period | 5 days |
| EC: 204-658-1 | BOD5/COD | Non-applicable | % Biodegradable | 84 % |
| 2-butoxyethyl acetate | BOD5 | Non-applicable | Concentration | 30 mg/L |
| CAS: 112-07-2 | COD | Non-applicable | Period | 28 days |
| EC: 203-933-3 | BOD5/COD | Non-applicable | % Biodegradable | 77,3 % |

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

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

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| Ethylbenzene | BOD5 | Non-applicable | Concentration | 100 mg/L |
| CAS: 100-41-4 | COD | Non-applicable | Period | 14 days |
| EC: 202-849-4 | BOD5/COD | Non-applicable | % Biodegradable | 90 % |
| 2-methoxy-1-methylethyl acetate | BOD5 | Non-applicable | Concentration | 785 mg/L |
| CAS: 108-65-6 | COD | Non-applicable | Period | 8 days |
| EC: 203-603-9 | BOD5/COD | Non-applicable | % Biodegradable | 100 % |
| Methyl methacrylate | BOD5 | Non-applicable | Concentration | 100 mg/L |
| CAS: 80-62-6 | COD | Non-applicable | Period | 14 days |
| EC: 201-297-1 | BOD5/COD | Non-applicable | % Biodegradable | 94,3 % |
| n-butyl acrylate | BOD5 | Non-applicable | Concentration | 100 mg/L |
| CAS: 141-32-2 | COD | Non-applicable | Period | 14 days |
| EC: 205-480-7 | BOD5/COD | Non-applicable | % Biodegradable | 61,3 % |
| 2-butoxyethanol | BOD5 | 0,71 g O2/g | Concentration | 100 mg/L |
| CAS: 111-76-2 | COD | 2,2 g O2/g | Period | 14 days |
| EC: 203-905-0 | BOD5/COD | 0,32 | % Biodegradable | 96 % |

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

| Identification | Bioaccumulation potential | |
|---|---|---|
| Xylene | BCF | 9 |
| CAS: 1330-20-7 | Pow Log | 2.77 |
| EC: 215-535-7 | Potential | Low |
| N-butyl acetate | BCF | 4 |
| CAS: 123-86-4 | Pow Log | 1.78 |
| EC: 204-658-1 | Potential | Low |
| 2-butoxyethyl acetate | BCF | 3 |
| CAS: 112-07-2 | Pow Log | 1.51 |
| EC: 203-933-3 | Potential | Low |
| Ethylbenzene | BCF | 1 |
| CAS: 100-41-4 | Pow Log | 3.15 |
| EC: 202-849-4 | Potential | Low |
| 2-methoxy-1-methylethyl acetate | BCF | 1 |
| CAS: 108-65-6 | Pow Log | 0.43 |
| EC: 203-603-9 | Potential | Low |
| Methyl methacrylate | BCF | 7 |
| CAS: 80-62-6 | Pow Log | 1.38 |
| EC: 201-297-1 | Potential | Low |
| n-butyl acrylate | BCF | 37 |
| CAS: 141-32-2 | Pow Log | 2.36 |
| EC: 205-480-7 | Potential | Moderate |
| 2-butoxyethanol | BCF | 3 |
| CAS: 111-76-2 | Pow Log | 0.83 |
| EC: 203-905-0 | Potential | Low |

**12.4 Mobility in soil:**

| Identification | Absorption/desorption | | Volatility | |
|---|---|---|---|---|
| Xylene | Koc | 202 | Henry | 524,86 Pa·m³/mol |
| CAS: 1330-20-7 | Conclusion | Moderate | Dry soil | Yes |
| EC: 215-535-7 | Surface tension | Non-applicable | Moist soil | Yes |
| N-butyl acetate | Koc | Non-applicable | Henry | Non-applicable |
| CAS: 123-86-4 | Conclusion | Non-applicable | Dry soil | Non-applicable |
| EC: 204-658-1 | Surface tension | 2,478E-2 N/m (25 ºC) | Moist soil | Non-applicable |

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

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

| Identification | Absorption/desorption | | Volatility | |
|---|---|---|---|---|
| 2-butoxyethyl acetate | Koc | Non-applicable | Henry | 5,532E-1 Pa·m³/mol |
| CAS: 112-07-2 | Conclusion | Non-applicable | Dry soil | No |
| EC: 203-933-3 | Surface tension | Non-applicable | Moist soil | Yes |
| Ethylbenzene | Koc | 520 | Henry | 798,44 Pa·m³/mol |
| CAS: 100-41-4 | Conclusion | Moderate | Dry soil | Yes |
| EC: 202-849-4 | Surface tension | 2,859E-2 N/m (25 ºC) | Moist soil | Yes |
| Methyl methacrylate | Koc | Non-applicable | Henry | Non-applicable |
| CAS: 80-62-6 | Conclusion | Non-applicable | Dry soil | Non-applicable |
| EC: 201-297-1 | Surface tension | 2,551E-2 N/m (25 ºC) | Moist soil | Non-applicable |
| n-butyl acrylate | Koc | Non-applicable | Henry | Non-applicable |
| CAS: 141-32-2 | Conclusion | Non-applicable | Dry soil | Non-applicable |
| EC: 205-480-7 | Surface tension | 2,598E-2 N/m (25 ºC) | Moist soil | Non-applicable |
| 2-butoxyethanol | Koc | 8 | Henry | 1,621E-1 Pa·m³/mol |
| CAS: 111-76-2 | Conclusion | Very High | Dry soil | No |
| EC: 203-905-0 | Surface tension | 2,729E-2 N/m (25 ºC) | Moist soil | Yes |

**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:**

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|---|---|---|
| 08 01 11*<br>15 01 10* | waste paint and varnish containing organic solvents or other hazardous substances<br>packaging containing residues of or contaminated by hazardous substances | 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:

- CONTINUED ON NEXT PAGE -

## 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:** | Non-applicable |

**Transport of dangerous goods by sea:**

With regard to IMDG 40-20:


| | | |
|---|---|---|
| **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: | 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:


| | | |
|---|---|---|
| **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:** | 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: Non-applicable

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## SECTION 15: REGULATORY INFORMATION (continued)

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.
Occupational exposure to respirable crystalline silica must be controlled pursuant to Directive (EU) 2019/130.

**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.:**

COMMISSION REGULATION (EU) 2020/878
COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):
· New declared substances
n-butyl acrylate (141-32-2)
CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):
· Hazard statements
· Precautionary statements
Information on basic physical and chemical properties (SECTION 9):
· Flash Point

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

H315: Causes skin irritation.
H373: May cause damage to organs through prolonged or repeated exposure (Oral).
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:**

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

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

Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
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. 2: H351 - Suspected of causing cancer (Inhalation).
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.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
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:**

Skin Irrit. 2: Calculation method
STOT RE 2: 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

*** Changes with regards to the previous version*



- END OF SAFETY DATA SHEET -