




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

- 1.1 Product identifier:** KMK 1101 LIGHT PUTTY
Other means of identification:
UFI: WTX4-9PFS-500M-NGXK
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
 Relevant uses: Filler for repairing surfaces. For professional users/industrial user only.
 Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
 Kimakem srl
 Via Don G. Fortuna 82
 36050 Monteviale - Vicenza - Italia
 Phone: +39 0444 1220020
 info@kimakem.com
- 1.4 Emergency telephone number:** +39 0444 1220020 (Monday to Friday 8:30 -17:30 GMT +1:00)

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.
 Eye Irrit. 2: Eye irritation, Category 2, H319
 Flam. Liq. 3: Flammable liquids, Category 3, H226
 Repr. 2: Reproductive toxicity, Category 2, H361d
 Skin Irrit. 2: Skin irritation, Category 2, H315
 Skin Sens. 1A: Sensitisation, skin, Category 1A, H317
 STOT RE 1: Specific target organ toxicity — Repeated exposure, Hazard Category 1 (Inhalation), H372
- 2.2 Label elements:**
CLP Regulation (EC) No 1272/2008:
Danger
- 
- Hazard statements:**
 H226 - Flammable liquid and vapour.
 H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H319 - Causes serious eye irritation.
 H361d - Suspected of damaging the unborn child.
 H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).
- Precautionary statements:**
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313: IF exposed or concerned: Get medical advice/attention.
 P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
 P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.
- Supplementary information:**
 Contains maleic anhydride.
 EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
- Substances that contribute to the classification**
 styrene; Cobalt bis(2-ethylhexanoate)

** Changes with regards to the previous version

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SECTION 2: HAZARDS IDENTIFICATION ** (continued)

UFI: WTX4-9PFS-500M-NGXK

2.3 Other hazards:

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

** Changes with regards to the previous version

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

3.1 Substance:

Non-applicable

3.2 Mixture:

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

Components:

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

| Identification | Chemical name/Classification | | Concentration |
|---|--|---|---------------|
| CAS: 100-42-5 EC: 202-851-5 Index: 601-026-00-0 REACH: 01-2119457861-32-XXXX | styrene⁽¹⁾ Regulation 1272/2008 | Self-classified Acute Tox. 4: H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 1: H372; STOT SE 3: H335 - Danger | 10 - <25 % |
| CAS: 141-78-6 EC: 205-500-4 Index: 607-022-00-5 REACH: 01-2119475103-46-XXXX | Ethyl acetate⁽¹⁾ Regulation 1272/2008 | ATP CLP00 Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger | 1 - <2,5 % |
| CAS: 7631-86-9 EC: 231-545-4 Index: Non-applicable REACH: 01-2119379499-16-XXXX | Silicon dioxide (RCS < 1%)⁽²⁾ Regulation 1272/2008 | Not classified | 0,5 - <1 % |
| CAS: 136-52-7 EC: 205-250-6 Index: Non-applicable REACH: 01-2119524678-29-XXXX | Cobalt bis(2-ethylhexanoate)⁽¹⁾ Regulation 1272/2008 | Self-classified Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Repr. 1B: H360; Skin Sens. 1A: H317 - Danger | 0,1 - <0,3 % |
| CAS: 111-76-2 EC: 203-905-0 Index: 603-014-00-0 REACH: 01-2119475108-36-XXXX | 2-butoxyethanol⁽²⁾ Regulation 1272/2008 | ATP ATP18 Acute Tox. 3: H331; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Danger | 0,01 - <0,1 % |
| CAS: 1330-20-7 EC: 215-535-7 Index: 601-022-00-9 REACH: 01-2119488216-32-XXXX | Xylene⁽²⁾ Regulation 1272/2008 | Self-classified 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 | <0,01 % |
| CAS: 34590-94-8 EC: 252-104-2 Index: Non-applicable REACH: 01-2119450011-60-XXXX | Dipropylene Glycol Methyl Ether⁽²⁾ Regulation 1272/2008 | Not classified | <0,01 % |
| CAS: 108-65-6 EC: 203-603-9 Index: 607-195-00-7 REACH: 01-2119475791-29-XXXX | 2-methoxy-1-methylethyl acetate⁽²⁾ Regulation 1272/2008 | Self-classified Flam. Liq. 3: H226; STOT SE 3: H336 - Warning | <0,01 % |
| CAS: 100-41-4 EC: 202-849-4 Index: 601-023-00-4 REACH: 01-2119489370-35-XXXX | Ethylbenzene⁽²⁾ Regulation 1272/2008 | Self-classified Acute Tox. 4: H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger | <0,01 % |

⁽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)

| Identification | Chemical name/Classification | Concentration |
|---|--|------------------------------------|
| CAS: 108-31-6 EC: 203-571-6 Index: 607-096-00-9 REACH: 01-2119472428-31-XXXX | maleic anhydride⁽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 | ATP ATP13 <0,01 % |

⁽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

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

Other information:

| Identification | Specific concentration limit |
|--|---------------------------------------|
| maleic anhydride CAS: 108-31-6 EC: 203-571-6 | % (w/w) >=0,001: Skin Sens. 1A - H317 |

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

| Identification | Acute toxicity | | Genus |
|--|-----------------|--------------|-------|
| 2-butoxyethanol CAS: 111-76-2 EC: 203-905-0 | LD50 oral | 1200 mg/kg | Rat |
| | LD50 dermal | Not relevant | |
| | LC50 inhalation | 3 mg/L | |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | LD50 oral | Not relevant | |
| | LD50 dermal | 1100 mg/kg | Rat |
| | LC50 inhalation | Not relevant | |
| maleic anhydride CAS: 108-31-6 EC: 203-571-6 | LD50 oral | 1090 mg/kg | Rat |
| | LD50 dermal | Not relevant | |
| | LC50 inhalation | Not relevant | |

** Changes with regards to the previous version

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

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

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

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

5.3 Advice for firefighters:

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

It is recommended to avoid environmental spillage of both the product and its container.

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



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

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

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

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C

B.- General conditions for storage

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

7.3 Specific end use(s):

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

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

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

| Identification | Occupational exposure limits | | |
|---|------------------------------|--------------|---|
| | IOELV (8h) | IOELV (STEL) | |
| Ethyl acetate CAS: 141-78-6 EC: 205-500-4 | 200 ppm | 400 ppm | 734 mg/m ³ 1468 mg/m ³ |
| Silicon dioxide (RCS < 1%) CAS: 7631-86-9 EC: 231-545-4 | 0,1 mg/m ³ | | |
| 2-butoxyethanol ⁽¹⁾ CAS: 111-76-2 EC: 203-905-0 | 20 ppm | 50 ppm | 98 mg/m ³ 246 mg/m ³ |
| Xylene ⁽¹⁾ CAS: 1330-20-7 EC: 215-535-7 | 50 ppm | 100 ppm | 221 mg/m ³ 442 mg/m ³ |
| Dipropylene Glycol Methyl Ether ⁽¹⁾ CAS: 34590-94-8 EC: 252-104-2 | 50 ppm | | 308 mg/m ³ |
| 2-methoxy-1-methylethyl acetate ⁽¹⁾ CAS: 108-65-6 EC: 203-603-9 | 50 ppm | 100 ppm | 275 mg/m ³ 550 mg/m ³ |
| Ethylbenzene ⁽¹⁾ CAS: 100-41-4 EC: 202-849-4 | 100 ppm | 200 ppm | 442 mg/m ³ 884 mg/m ³ |

⁽¹⁾ Skin

DNEL (Workers):

| Identification | | Short exposure | | Long exposure | |
|---|------------|-----------------------|-----------------------|----------------------|--------------|
| | | Systemic | Local | Systemic | Local |
| styrene CAS: 100-42-5 EC: 202-851-5 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 406 mg/kg | Not relevant |
| | Inhalation | 289 mg/m ³ | 306 mg/m ³ | 85 mg/m ³ | Not relevant |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | Short exposure | | Long exposure | |
|---|------------|------------------------|------------------------|-------------------------|--------------------------|
| | | Systemic | Local | Systemic | Local |
| Ethyl acetate CAS: 141-78-6 EC: 205-500-4 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 63 mg/kg | Not relevant |
| | Inhalation | 1468 mg/m ³ | 1468 mg/m ³ | 734 mg/m ³ | 734 mg/m ³ |
| Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| | Inhalation | Not relevant | Not relevant | Not relevant | 0,2351 mg/m ³ |
| 2-butoxyethanol CAS: 111-76-2 EC: 203-905-0 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | 89 mg/kg | Not relevant | 125 mg/kg | Not relevant |
| | Inhalation | 1091 mg/m ³ | 246 mg/m ³ | 98 mg/m ³ | Not relevant |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 212 mg/kg | Not relevant |
| | Inhalation | 442 mg/m ³ | 442 mg/m ³ | 221 mg/m ³ | 221 mg/m ³ |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 283 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 308 mg/m ³ | Not relevant |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 796 mg/kg | Not relevant |
| | Inhalation | Not relevant | 550 mg/m ³ | 275 mg/m ³ | Not relevant |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 180 mg/kg | Not relevant |
| | Inhalation | Not relevant | 293 mg/m ³ | 77 mg/m ³ | Not relevant |
| maleic anhydride CAS: 108-31-6 EC: 203-571-6 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| | Inhalation | 0,2 mg/m ³ | 0,2 mg/m ³ | 0,081 mg/m ³ | 0,081 mg/m ³ |

DNEL (General population):

| Identification | | Short exposure | | Long exposure | |
|---|------------|--------------------------|--------------------------|------------------------|-------------------------|
| | | Systemic | Local | Systemic | Local |
| styrene CAS: 100-42-5 EC: 202-851-5 | Oral | Not relevant | Not relevant | 2,1 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 343 mg/kg | Not relevant |
| | Inhalation | 174,25 mg/m ³ | 182,75 mg/m ³ | 10,2 mg/m ³ | Not relevant |
| Ethyl acetate CAS: 141-78-6 EC: 205-500-4 | Oral | Not relevant | Not relevant | 4,5 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 37 mg/kg | Not relevant |
| | Inhalation | 734 mg/m ³ | 734 mg/m ³ | 367 mg/m ³ | 367 mg/m ³ |
| Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6 | Oral | Not relevant | Not relevant | 0,175 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| | Inhalation | Not relevant | Not relevant | Not relevant | 0,037 mg/m ³ |
| 2-butoxyethanol CAS: 111-76-2 EC: 203-905-0 | Oral | Not relevant | Not relevant | 6,3 mg/kg | Not relevant |
| | Dermal | 89 mg/kg | Not relevant | 75 mg/kg | Not relevant |
| | Inhalation | 426 mg/m ³ | 147 mg/m ³ | 59 mg/m ³ | Not relevant |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | Oral | Not relevant | Not relevant | 12,5 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 125 mg/kg | Not relevant |
| | Inhalation | 260 mg/m ³ | 260 mg/m ³ | 65,3 mg/m ³ | 65,3 mg/m ³ |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | Oral | Not relevant | Not relevant | 36 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 121 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 37,2 mg/m ³ | Not relevant |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | Oral | Not relevant | Not relevant | 36 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 320 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 33 mg/m ³ | 33 mg/m ³ |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | Oral | Not relevant | Not relevant | 1,6 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| | Inhalation | Not relevant | Not relevant | 15 mg/m ³ | Not relevant |

PNEC:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | | | |
|---|--------------|--------------|-------------------------|--------------|
| styrene CAS: 100-42-5 EC: 202-851-5 | STP | 5 mg/L | Fresh water | 0,028 mg/L |
| | Soil | 0,2 mg/kg | Marine water | 0,014 mg/L |
| | Intermittent | 0,04 mg/L | Sediment (Fresh water) | 0,614 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 0,307 mg/kg |
| Ethyl acetate CAS: 141-78-6 EC: 205-500-4 | STP | 650 mg/L | Fresh water | 0,24 mg/L |
| | Soil | 0,148 mg/kg | Marine water | 0,024 mg/L |
| | Intermittent | 1,65 mg/L | Sediment (Fresh water) | 1,15 mg/kg |
| | Oral | 0,2 g/kg | Sediment (Marine water) | 0,115 mg/kg |
| Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6 | STP | 0,37 mg/L | Fresh water | 0,00062 mg/L |
| | Soil | 10,9 mg/kg | Marine water | 0,00236 mg/L |
| | Intermittent | Not relevant | Sediment (Fresh water) | 53,8 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 69,8 mg/kg |
| 2-butoxyethanol CAS: 111-76-2 EC: 203-905-0 | STP | 463 mg/L | Fresh water | 8,8 mg/L |
| | Soil | 2,33 mg/kg | Marine water | 0,88 mg/L |
| | Intermittent | 26,4 mg/L | Sediment (Fresh water) | 34,6 mg/kg |
| | Oral | 0,02 g/kg | Sediment (Marine water) | 3,46 mg/kg |
| Xylene CAS: 1330-20-7 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 | Not relevant | Sediment (Marine water) | 12,46 mg/kg |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | STP | 4168 mg/L | Fresh water | 19 mg/L |
| | Soil | 2,74 mg/kg | Marine water | 1,9 mg/L |
| | Intermittent | 190 mg/L | Sediment (Fresh water) | 70,2 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 7,02 mg/kg |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | STP | 100 mg/L | Fresh water | 0,635 mg/L |
| | Soil | 0,29 mg/kg | Marine water | 0,064 mg/L |
| | Intermittent | 6,35 mg/L | Sediment (Fresh water) | 3,29 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 0,329 mg/kg |
| Ethylbenzene CAS: 100-41-4 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 |
| maleic anhydride CAS: 108-31-6 EC: 203-571-6 | STP | 44,6 mg/L | Fresh water | 0,038 mg/L |
| | Soil | 0,037 mg/kg | Marine water | 0,004 mg/L |
| | Intermittent | 0,379 mg/L | Sediment (Fresh water) | 0,296 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 0,03 mg/kg |



8.2 Exposure controls:

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

In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the occupational exposure limits. In case of using personal protective equipment it should have CE marking in accordance with Directive 2016/425/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|-----------------------------------|---|---------------------|--|
|  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

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)





| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|---|---|-------------------|--|
|  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 |
|--|-------------|---|---|---|
|  Mandatory face protection | Face shield |  | EN 166:2002 EN 167:2002 EN 168:2002 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 |  | EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 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 |  | EN ISO 13287:2020 EN ISO 20345:2011 EN 13832-1:2019 | Replace boots at any sign of deterioration. |

F.- Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|---|---|--|--|
|  Emergency shower | ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011 |  Eyewash stations | DIN 12 899 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): | 17,82 % weight |
| V.O.C. density at 20 °C: | 219,86 kg/m ³ (219,86 g/L) |
| Average carbon number: | 7,71 |
| Average molecular weight: | 103,27 g/mol |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

| | |
|--------------------------|---|
| Physical state at 20 °C: | Liquid |
| Appearance: | Paste |
| Colour: |  Beige |

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

- CONTINUED ON NEXT PAGE -



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

| | |
|--|--------------------------|
| Odour: | Characteristic |
| Odour threshold: | Not relevant * |
| Volatility: | |
| Boiling point at atmospheric pressure: | 77 - 4200 °C |
| Vapour pressure at 20 °C: | 1525 Pa |
| Vapour pressure at 50 °C: | 6628,6 Pa (6,63 kPa) |
| Evaporation rate at 20 °C: | Not relevant * |
| Product description: | |
| Density at 20 °C: | 1234 kg/m ³ |
| Relative density at 20 °C: | 1,234 |
| Dynamic viscosity at 20 °C: | 7250000 cP |
| Kinematic viscosity at 20 °C: | Not relevant * |
| Kinematic viscosity at 40 °C: | >20,5 mm ² /s |
| Concentration: | Not relevant * |
| pH: | Not relevant * |
| Vapour density at 20 °C: | Not relevant * |
| Partition coefficient n-octanol/water 20 °C: | Not relevant * |
| Solubility in water at 20 °C: | Not relevant * |
| Solubility properties: | Immiscible |
| Decomposition temperature: | Not relevant * |
| Melting point/freezing point: | Not relevant * |
| Flammability: | |
| Flash Point: | 32 °C |
| Flammability (solid, gas): | Not relevant * |
| Autoignition temperature: | 238 °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: | Not relevant * |
| Oxidising properties: | Not relevant * |
| Corrosive to metals: | Not relevant * |
| Heat of combustion: | Not relevant * |
| Aerosols-total percentage (by mass) of flammable components: | Not relevant * |

Other safety characteristics:

| | |
|---------------------------|----------------|
| Surface tension at 20 °C: | Not relevant * |
| Refraction index: | Not relevant * |

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

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

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

- CONTINUED ON NEXT PAGE -



SECTION 10: STABILITY AND REACTIVITY (continued)

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 | Not applicable | Avoid alkalis or strong bases |

10.6 Hazardous decomposition products:

Contains substances highly reactive and can auto-polymerize as a result of internal peroxide accumulation. The peroxides formed in these reactions are extremely shock- and heat-sensitive.

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 .

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 eye damage after contact.

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

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: styrene (2A); ethanol (1); propan-2-ol (3); 1,4-dihydroxybenzene (3); 2-butoxyethanol (3); Xylene (3); Ethylbenzene (2B); Carbon black (2B); Cobalt bis(2-ethylhexanoate) (2B); Titanium dioxide (2B); Talc (3); Glass, oxide, chemicals (1)
- 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: Suspected of damaging the unborn child.

E- Sensitizing effects:

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

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

** Changes with regards to the previous version



SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

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: Serious health effects in the case of prolonged inhalation, including death, serious functional disorders or morphological changes of toxicological importance.
- Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

H- Aspiration hazard:

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

Other information:

Not relevant

Specific toxicology information on the substances:

| Identification | Acute toxicity | | Genus |
|---|-----------------|-----------------|--------|
| | | | |
| styrene CAS: 100-42-5 EC: 202-851-5 | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | 11,8 mg/L (4 h) | Rat |
| Ethyl acetate CAS: 141-78-6 EC: 205-500-4 | LD50 oral | 4100 mg/kg | Rat |
| | LD50 dermal | 20000 mg/kg | Rabbit |
| | LC50 inhalation | >20 mg/L | |
| Silicon dioxide (RCS < 1%) CAS: 7631-86-9 EC: 231-545-4 | LD50 oral | >5000 mg/kg | Rat |
| | LD50 dermal | 5100 mg/kg | Rabbit |
| | LC50 inhalation | >5 mg/L | |
| Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6 | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >5 mg/L | |
| 2-butoxyethanol CAS: 111-76-2 EC: 203-905-0 | LD50 oral | 1200 mg/kg | Rat |
| | LD50 dermal | 3000 mg/kg | Rabbit |
| | LC50 inhalation | 3 mg/L | |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | LD50 oral | 2100 mg/kg | Rat |
| | LD50 dermal | 1100 mg/kg | Rat |
| | LC50 inhalation | >20 mg/L | |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | LD50 oral | >5000 mg/kg | Rat |
| | LD50 dermal | 9510 mg/kg | Rabbit |
| | LC50 inhalation | >20 mg/L | |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 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 CAS: 100-41-4 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 |
| maleic anhydride CAS: 108-31-6 EC: 203-571-6 | LD50 oral | 1090 mg/kg | Rat |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >5 mg/L | |

11.2 Information on other hazards:

Endocrine disrupting properties

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

Other information

Not relevant

** Changes with regards to the previous version

** Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -



SECTION 12: ECOLOGICAL INFORMATION **

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

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

12.1 Toxicity:

Acute toxicity:

| Identification | Concentration | | Species | Genus |
|---|---------------|-----------------------|---------------------------------|------------|
| | LC50 | EC50 | | |
| styrene CAS: 100-42-5 EC: 202-851-5 | LC50 | 64,7 mg/L (96 h) | Carassius auratus | Fish |
| | EC50 | 4,7 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 67 mg/L (192 h) | Microcystis aeruginosa | Algae |
| Ethyl acetate CAS: 141-78-6 EC: 205-500-4 | LC50 | 230 mg/L (96 h) | Pimephales promelas | Fish |
| | EC50 | 717 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 3300 mg/L (48 h) | Scenedesmus subspicatus | Algae |
| Silicon dioxide (RCS < 1%) CAS: 7631-86-9 EC: 231-545-4 | LC50 | 5000 mg/L (96 h) | Brachydanio rerio | Fish |
| | EC50 | 10000 mg/L (24 h) | Daphnia magna | Crustacean |
| | EC50 | 440 mg/L (72 h) | Selenastrum capricornutum | Algae |
| Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6 | LC50 | >0.1 - 1 mg/L (96 h) | | Fish |
| | EC50 | >0.1 - 1 mg/L (48 h) | | Crustacean |
| | EC50 | >0.1 - 1 mg/L (72 h) | | Algae |
| 2-butoxyethanol CAS: 111-76-2 EC: 203-905-0 | LC50 | 1490 mg/L (96 h) | Lepomis macrochirus | Fish |
| | EC50 | 1815 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 911 mg/L (72 h) | Pseudokirchneriella subcapitata | Algae |
| Xylene CAS: 1330-20-7 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 |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | LC50 | 10000 mg/L (96 h) | Pimephales promelas | Fish |
| | EC50 | 1919 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | Not relevant | | |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | LC50 | 161 mg/L (96 h) | Pimephales promelas | Fish |
| | EC50 | 481 mg/L (48 h) | Daphnia sp. | Crustacean |
| | EC50 | Not relevant | | |
| Ethylbenzene CAS: 100-41-4 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 |

Chronic toxicity:

| Identification | Concentration | | Species | Genus |
|--|---------------|--------------|---------------------|------------|
| | NOEC | Not relevant | | |
| styrene CAS: 100-42-5 EC: 202-851-5 | NOEC | Not relevant | | |
| | NOEC | 1,01 mg/L | Daphnia magna | Crustacean |
| Ethyl acetate CAS: 141-78-6 EC: 205-500-4 | NOEC | 9,65 mg/L | Pimephales promelas | Fish |
| | NOEC | 2,4 mg/L | Daphnia magna | Crustacean |
| Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6 | NOEC | 0,21 mg/L | Pimephales promelas | Fish |
| | NOEC | 0,1697 mg/L | Aeolosoma sp. | Crustacean |
| 2-butoxyethanol CAS: 111-76-2 EC: 203-905-0 | NOEC | 100 mg/L | Danio rerio | Fish |
| | NOEC | 100 mg/L | Daphnia magna | Crustacean |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | NOEC | 1,3 mg/L | Oncorhynchus mykiss | Fish |
| | NOEC | 1,17 mg/L | Ceriodaphnia dubia | Crustacean |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | NOEC | Not relevant | | |
| | NOEC | 0,5 mg/L | Daphnia magna | Crustacean |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | NOEC | 47,5 mg/L | Oryzias latipes | Fish |
| | NOEC | 100 mg/L | Daphnia magna | Crustacean |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | NOEC | Not relevant | | |
| | NOEC | 0,96 mg/L | Ceriodaphnia dubia | Crustacean |

12.2 Persistence and degradability:

** Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -



SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Substance-specific information:

| Identification | Degradability | | Biodegradability | |
|---|---------------|--------------|------------------|--------------|
| | | | | |
| styrene CAS: 100-42-5 EC: 202-851-5 | BOD5 | 1,96 g O2/g | Concentration | 100 mg/L |
| | COD | 2,8 g O2/g | Period | 14 days |
| | BOD5/COD | 0,7 | % Biodegradable | 100 % |
| Ethyl acetate CAS: 141-78-6 EC: 205-500-4 | BOD5 | 1,36 g O2/g | Concentration | 100 mg/L |
| | COD | 1,69 g O2/g | Period | 14 days |
| | BOD5/COD | 0,8 | % Biodegradable | 83 % |
| 2-butoxyethanol CAS: 111-76-2 EC: 203-905-0 | BOD5 | 0,71 g O2/g | Concentration | 100 mg/L |
| | COD | 2,2 g O2/g | Period | 14 days |
| | BOD5/COD | 0,32 | % Biodegradable | 96 % |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | BOD5 | Not relevant | Concentration | Not relevant |
| | COD | Not relevant | Period | 28 days |
| | BOD5/COD | Not relevant | % Biodegradable | 88 % |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | BOD5 | Not relevant | Concentration | Not relevant |
| | COD | 0 g O2/g | Period | 28 days |
| | BOD5/COD | Not relevant | % Biodegradable | 73 % |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | BOD5 | Not relevant | Concentration | 785 mg/L |
| | COD | Not relevant | Period | 8 days |
| | BOD5/COD | Not relevant | % Biodegradable | 100 % |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | BOD5 | Not relevant | Concentration | 100 mg/L |
| | COD | Not relevant | Period | 14 days |
| | BOD5/COD | Not relevant | % Biodegradable | 90 % |
| maleic anhydride CAS: 108-31-6 EC: 203-571-6 | BOD5 | Not relevant | Concentration | 33.33 mg/L |
| | COD | Not relevant | Period | 29 days |
| | BOD5/COD | Not relevant | % Biodegradable | 98,19 % |

12.3 Bioaccumulative potential:

Substance-specific information:

| Identification | Bioaccumulation potential | |
|---|---------------------------|----------|
| | | |
| styrene CAS: 100-42-5 EC: 202-851-5 | BCF | 14 |
| | Pow Log | 2.95 |
| | Potential | Low |
| Ethyl acetate CAS: 141-78-6 EC: 205-500-4 | BCF | 30 |
| | Pow Log | 0.73 |
| | Potential | Moderate |
| 2-butoxyethanol CAS: 111-76-2 EC: 203-905-0 | BCF | 3 |
| | Pow Log | 0.83 |
| | Potential | Low |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | BCF | 9 |
| | Pow Log | 2.77 |
| | Potential | Low |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | BCF | 1 |
| | Pow Log | -0.06 |
| | Potential | Low |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | BCF | 1 |
| | Pow Log | 0.43 |
| | Potential | Low |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | BCF | 1 |
| | Pow Log | 3.15 |
| | Potential | Low |
| maleic anhydride CAS: 108-31-6 EC: 203-571-6 | BCF | |
| | Pow Log | -2.61 |
| | Potential | |

** Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -



SECTION 12: ECOLOGICAL INFORMATION ** (continued)

12.4 Mobility in soil:

| Identification | Absorption/desorption | | Volatility | |
|--|-----------------------|--------------------------|------------|---------------------------------|
| styrene CAS: 100-42-5 EC: 202-851-5 | Koc | Not relevant | Henry | Not relevant |
| | Conclusion | Not relevant | Dry soil | Not relevant |
| | Surface tension | 3,21E-2 N/m (25 °C) | Moist soil | Not relevant |
| Ethyl acetate CAS: 141-78-6 EC: 205-500-4 | Koc | 59 | Henry | 13,58 Pa·m ³ /mol |
| | Conclusion | Very High | Dry soil | Yes |
| | Surface tension | 2,324E-2 N/m (25 °C) | Moist soil | Yes |
| 2-butoxyethanol CAS: 111-76-2 EC: 203-905-0 | Koc | 8 | Henry | 1,621E-1 Pa·m ³ /mol |
| | Conclusion | Very High | Dry soil | No |
| | Surface tension | 2,729E-2 N/m (25 °C) | Moist soil | Yes |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | Koc | 202 | Henry | 524,86 Pa·m ³ /mol |
| | Conclusion | Moderate | Dry soil | Yes |
| | Surface tension | Not relevant | Moist soil | Yes |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | Koc | 520 | Henry | 798,44 Pa·m ³ /mol |
| | Conclusion | Moderate | Dry soil | Yes |
| | Surface tension | 2,859E-2 N/m (25 °C) | Moist soil | Yes |
| maleic anhydride CAS: 108-31-6 EC: 203-571-6 | Koc | 42 | Henry | 0E+0 Pa·m ³ /mol |
| | Conclusion | Very High | Dry soil | Not relevant |
| | Surface tension | 1,673E-2 N/m (250,21 °C) | Moist soil | Not relevant |

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

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

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* | waste paint and varnish containing organic solvents or other hazardous substances | Hazardous |

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

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP10 Toxic for reproduction, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

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

Regulations related to waste management:

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

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

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:

- CONTINUED ON NEXT PAGE -



SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number or ID number:** UN3269
14.2 UN proper shipping name: POLYESTER RESIN KIT, liquid base material
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: 236, 340
 Tunnel restriction code: E
 Physico-Chemical properties: see section 9
 Limited quantities: 5 L
14.7 Maritime transport in bulk according to IMO instruments: Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 41-22:



- 14.1 UN number or ID number:** UN3269
14.2 UN proper shipping name: POLYESTER RESIN KIT, liquid base material
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: 340, 236
 EmS Codes: F-E, S-D
 Physico-Chemical properties: see section 9
 Limited quantities: 5 L
 Segregation group: Not relevant
14.7 Maritime transport in bulk according to IMO instruments: Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2024:



- 14.1 UN number or ID number:** UN3269
14.2 UN proper shipping name: POLYESTER RESIN KIT, liquid base material
14.3 Transport hazard class(es): 3
 Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No
14.6 Special precautions for user
 Physico-Chemical properties: see section 9
14.7 Maritime transport in bulk according to IMO instruments: Not relevant

SECTION 15: REGULATORY INFORMATION

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

- Article 95, REGULATION (EU) No 528/2012: *Silicon dioxide (RCS < 1%) (7631-86-9) - PT: (18)*
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

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- CONTINUED ON NEXT PAGE -



SECTION 15: REGULATORY INFORMATION (continued)

| 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.

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

Specific provisions in terms of protecting people or the environment:

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

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

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

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

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

- New declared substances
 - maleic anhydride (108-31-6)
- Removed substances
 - N-butyl acetate (123-86-4)

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

- Supplementary information

Texts of the legislative phrases mentioned in section 2:

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

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:



SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H331 - Toxic 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 Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Repr. 1B: H360 - May damage fertility or the unborn child.
Repr. 2: H361d - Suspected of damaging the unborn child.
Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 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 SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

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

Advice related to training:

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

Principal bibliographical sources:

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

Abbreviations and acronyms:

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

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

- END OF SAFETY DATA SHEET -