# 035080 - ESMALTE SINTETICO BRILLO Gris cemento



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

**1.1 Product identifier:** 035080 - ESMALTE SINTETICO BRILLO Gris cemento

**Other means of identification:**

**UFI:** EW40-R0NA-N00A-HPK0

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

Relevant uses: Interior/exterior protective and decorative lining lining for wood, metal, etc.

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:**

Productos JAFEP, S.L.
Carretera de Barrax, s/n
02630 La Roda - Albacete - Spain
Phone: +34 967 44 05 96 - Fax: +34 967 44 26 12
jafep@jafep.com
www.jafep.com

**1.4 Emergency telephone number:** +34 967 44 05 96 (9:00-14:00 ; 16:00-20:00)

## 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.

Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

**2.2 Label elements:**

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

**Warning**



**Hazard statements:**

Flammable liquid and vapour.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.

**Precautionary statements:**

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Dispose of contents/container according to the separated collection system used in your municipality.

**Supplementary information:**

Repeated exposure may cause skin dryness or cracking.
Contains maleic anhydride, phthalic anhydride.
Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**Substances that contribute to the classification**

Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics; Cobalt bis(2-ethylhexanoate)

**UFI:** EW40-R0NA-N00A-HPK0

**2.3 Other hazards:**

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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

**3.1 Substance:**

Non-applicable

**3.2 Mixture:**

**Chemical description:** Miscellaneous products

**Components:**

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

| Identification | Chemical name/Classification | | Concentration |
|---|---|---|---|
| CAS: 64742-48-9<br>EC: 919-857-5<br>Index: Non-applicable<br>REACH: 01-2119463258-33-XXXX | **Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics**(1) | Self-classified | **24 - <75 %** |
| | Regulation 1272/2008 | Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Danger | |
| CAS: Non-applicable<br>EC: 918-481-9<br>Index: Non-applicable<br>REACH: 01-2119457273-39-XXXX | **Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics**(1) | Self-classified | **0,9 - <2,4 %** |
| | Regulation 1272/2008 | Asp. Tox. 1: H304; EUH066 - Danger | |
| CAS: 3290-92-4<br>EC: 221-950-4<br>Index: Non-applicable<br>REACH: 01-2119542176-41-XXXX | **Propylidynetrimethyl trimethacrylate**(1) | Self-classified | **0,9 - <2,4 %** |
| | Regulation 1272/2008 | Aquatic Chronic 2: H411 | |
| CAS: 22464-99-9<br>EC: 245-018-1<br>Index: Non-applicable<br>REACH: 01-2119979088-21-XXXX | **2-ethylhexanoic acid, zirconium salt**(1) | Self-classified | **0,29 - <0,9 %** |
| | Regulation 1272/2008 | Repr. 2: H361d - Warning | |
| CAS: 1330-20-7<br>EC: 215-535-7<br>Index: 601-022-00-9<br>REACH: 01-2119488216-32-XXXX | **Xylene**(2) | Self-classified | **0,29 - <0,9 %** |
| | 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: 136-51-6<br>EC: 205-249-0<br>Index: Non-applicable<br>REACH: 01-2119978297-19-XXXX | **calcium bis(2-ethylhexanoate)**(1) | Self-classified | **0,29 - <0,9 %** |
| | Regulation 1272/2008 | Eye Dam. 1: H318; Repr. 2: H361d - 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) | Self-classified | **0,29 - <0,9 %** |
| | Regulation 1272/2008 | Flam. Liq. 3: H226; STOT SE 3: H336 - Warning | |
| CAS: 136-52-7<br>EC: 205-250-6<br>Index: Non-applicable<br>REACH: 01-2119524678-29-XXXX | **Cobalt bis(2-ethylhexanoate)**(1) | Self-classified | **0,24 - <0,29 %** |
| | Regulation 1272/2008 | Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Repr. 1B: H360Fd; Skin Sens. 1A: H317 - Danger | |
| CAS: 34590-94-8<br>EC: 252-104-2<br>Index: Non-applicable<br>REACH: 01-2119450011-60-XXXX | **Dipropylene Glycol Methyl Ether**(2) | Not classified | **0,09 - <0,24 %** |
| | Regulation 1272/2008 | | |
| CAS: 85-44-9<br>EC: 201-607-5<br>Index: 607-009-00-4<br>REACH: 01-2119457017-41-XXXX | **phthalic anhydride**(1) | ATP CLP00 | **0,09 - <0,24 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H302; Eye Dam. 1: H318; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H335 - Danger | |
| CAS: 77-99-6<br>EC: 201-074-9<br>Index: Non-applicable<br>REACH: 01-2119486799-10-XXXX | **Propylidynetrimethanol**(1) | Self-classified | **0,09 - <0,24 %** |
| | Regulation 1272/2008 | Repr. 2: H361fd - 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**(2) | ATP CLP00 | **<0,09 %** |
| | Regulation 1272/2008 | Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - 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

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

| Identification | Chemical name/Classification | | Concentration |
|---|---|---|---|
| CAS: 108-31-6<br>EC: 203-571-6<br>Index: 607-096-00-9<br>REACH: 01-2119472428-31-XXXX | **maleic anhydride**(1) ATP ATP13 | | **<0,09 %** |
| | 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  | |

(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<br>CAS: 108-31-6<br>EC: 203-571-6 | % (w/w) >=0,001: Skin Sens. 1A - H317 |

## 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 lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of 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:**

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:**

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## SECTION 5: FIREFIGHTING MEASURES (continued)

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. Destroy 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:**

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.- Precautions for safe manipulation

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 to prevent ergonomic and toxicological risks

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

D.- Technical recommendations to prevent environmental risks

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

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

A.- Technical measures for storage

Minimum Temp.: 5 ºC

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## SECTION 7: HANDLING AND STORAGE (continued)

Maximum Temp.: 30 ºC

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 | | |
|---|---|---|---|
| Xylene<br>CAS: 1330-20-7 EC: 215-535-7 | IOELV (8h)<br>IOELV (STEL) | 50 ppm<br>100 ppm | 221 mg/m³<br>442 mg/m³ |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6 EC: 203-603-9 | IOELV (8h)<br>IOELV (STEL) | 50 ppm<br>100 ppm | 275 mg/m³<br>550 mg/m³ |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8 EC: 252-104-2 | IOELV (8h)<br>IOELV (STEL) | 50 ppm | 308 mg/m³ |
| N-butyl acetate<br>CAS: 123-86-4 EC: 204-658-1 | IOELV (8h)<br>IOELV (STEL) | 50 ppm<br>150 ppm | 241 mg/m³<br>723 mg/m³ |

**DNEL (Workers):**

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| Propylidynetrimethyl trimethacrylate | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 3290-92-4 | Dermal | Non-applicable | Non-applicable | 42 mg/kg | Non-applicable |
| EC: 221-950-4 | Inhalation | Non-applicable | Non-applicable | 14,81 mg/m³ | Non-applicable |
| 2-ethylhexanoic acid, zirconium salt | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 22464-99-9 | Dermal | Non-applicable | Non-applicable | 6,49 mg/kg | Non-applicable |
| EC: 245-018-1 | Inhalation | Non-applicable | Non-applicable | 32,97 mg/m³ | Non-applicable |
| 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 |
| calcium bis(2-ethylhexanoate) | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 136-51-6 | Dermal | Non-applicable | Non-applicable | 5,67 mg/kg | Non-applicable |
| EC: 205-249-0 | Inhalation | Non-applicable | Non-applicable | 39,98 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 |
| Cobalt bis(2-ethylhexanoate) | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 136-52-7 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 205-250-6 | Inhalation | Non-applicable | Non-applicable | Non-applicable | 0,2351 mg/m³ |
| Dipropylene Glycol Methyl Ether | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 34590-94-8 | Dermal | Non-applicable | Non-applicable | 283 mg/kg | Non-applicable |
| EC: 252-104-2 | Inhalation | Non-applicable | Non-applicable | 308 mg/m³ | Non-applicable |
| phthalic anhydride | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 85-44-9 | Dermal | Non-applicable | Non-applicable | 10 mg/kg | Non-applicable |
| EC: 201-607-5 | Inhalation | Non-applicable | Non-applicable | 32,2 mg/m³ | Non-applicable |
| Propylidynetrimethanol | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 77-99-6 | Dermal | Non-applicable | Non-applicable | 0,94 mg/kg | Non-applicable |
| EC: 201-074-9 | Inhalation | Non-applicable | Non-applicable | 3,3 mg/m³ | Non-applicable |

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

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| 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 |
| maleic anhydride | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 108-31-6 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 203-571-6 | Inhalation | 0,2 mg/m³ | 0,2 mg/m³ | 0,081 mg/m³ | 0,081 mg/m³ |

**DNEL (General population):**

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| Propylidynetrimethyl trimethacrylate | Oral | Non-applicable | Non-applicable | 1,5 mg/kg | Non-applicable |
| CAS: 3290-92-4 | Dermal | Non-applicable | Non-applicable | 15 mg/kg | Non-applicable |
| EC: 221-950-4 | Inhalation | Non-applicable | Non-applicable | 2,6 mg/m³ | Non-applicable |
| 2-ethylhexanoic acid, zirconium salt | Oral | Non-applicable | Non-applicable | 4,51 mg/kg | Non-applicable |
| CAS: 22464-99-9 | Dermal | Non-applicable | Non-applicable | 3,25 mg/kg | Non-applicable |
| EC: 245-018-1 | Inhalation | Non-applicable | Non-applicable | 8,13 mg/m³ | Non-applicable |
| 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 |
| calcium bis(2-ethylhexanoate) | Oral | Non-applicable | Non-applicable | 2,83 mg/kg | Non-applicable |
| CAS: 136-51-6 | Dermal | Non-applicable | Non-applicable | 2,83 mg/kg | Non-applicable |
| EC: 205-249-0 | Inhalation | Non-applicable | Non-applicable | 9,86 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 |
| Cobalt bis(2-ethylhexanoate) | Oral | Non-applicable | Non-applicable | 0,175 mg/kg | Non-applicable |
| CAS: 136-52-7 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 205-250-6 | Inhalation | Non-applicable | Non-applicable | Non-applicable | 0,037 mg/m³ |
| Dipropylene Glycol Methyl Ether | Oral | Non-applicable | Non-applicable | 36 mg/kg | Non-applicable |
| CAS: 34590-94-8 | Dermal | Non-applicable | Non-applicable | 121 mg/kg | Non-applicable |
| EC: 252-104-2 | Inhalation | Non-applicable | Non-applicable | 37,2 mg/m³ | Non-applicable |
| phthalic anhydride | Oral | Non-applicable | Non-applicable | 5 mg/kg | Non-applicable |
| CAS: 85-44-9 | Dermal | Non-applicable | Non-applicable | 5 mg/kg | Non-applicable |
| EC: 201-607-5 | Inhalation | Non-applicable | Non-applicable | 8,6 mg/m³ | Non-applicable |
| Propylidynetrimethanol | Oral | Non-applicable | Non-applicable | 0,34 mg/kg | Non-applicable |
| CAS: 77-99-6 | Dermal | Non-applicable | Non-applicable | 0,34 mg/kg | Non-applicable |
| EC: 201-074-9 | Inhalation | Non-applicable | Non-applicable | 0,58 mg/m³ | Non-applicable |
| 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 |

**PNEC:**

| Identification | | | | |
|---|---|---|---|---|
| Propylidynetrimethyl trimethacrylate | STP | 10 mg/L | Fresh water | 0,00276 mg/L |
| CAS: 3290-92-4 | Soil | 0,097 mg/kg | Marine water | 0,000276 mg/L |
| EC: 221-950-4 | Intermittent | 0,02 mg/L | Sediment (Fresh water) | 0,495 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,05 mg/kg |
| 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 |

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

| Identification | | | | |
|---|---|---|---|---|
| 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 |
| Cobalt bis(2-ethylhexanoate) | STP | 0,37 mg/L | Fresh water | 0,00062 mg/L |
| CAS: 136-52-7 | Soil | 10,9 mg/kg | Marine water | 0,00236 mg/L |
| EC: 205-250-6 | Intermittent | Non-applicable | Sediment (Fresh water) | 53,8 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 69,8 mg/kg |
| Dipropylene Glycol Methyl Ether | STP | 4168 mg/L | Fresh water | 19 mg/L |
| CAS: 34590-94-8 | Soil | 2,74 mg/kg | Marine water | 1,9 mg/L |
| EC: 252-104-2 | Intermittent | 190 mg/L | Sediment (Fresh water) | 70,2 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 7,02 mg/kg |
| phthalic anhydride | STP | 10 mg/L | Fresh water | 1 mg/L |
| CAS: 85-44-9 | Soil | 0,173 mg/kg | Marine water | 0,1 mg/L |
| EC: 201-607-5 | Intermittent | 5,6 mg/L | Sediment (Fresh water) | 3,8 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,38 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 |
| maleic anhydride | STP | 44,6 mg/L | Fresh water | 0,038 mg/L |
| CAS: 108-31-6 | Soil | 0,037 mg/kg | Marine water | 0,004 mg/L |
| EC: 203-571-6 | Intermittent | 0,379 mg/L | Sediment (Fresh water) | 0,296 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,03 mg/kg |

### 8.2 Exposure controls:

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

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 | 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 | CE CAT III | EN ISO 374-1:2016+A1:2018<br>EN 16523-1:2015+A1:2018<br>EN 420:2004+A1:2010 | 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.- Ocular and facial protection

- CONTINUED ON NEXT PAGE -

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

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory face protection | Face shield | CE CAT II | EN 166:2002<br>EN 167:2002<br>EN 168:2002<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 13287:2013<br>EN ISO 20345:2011<br>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<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): 26,55 % weight

V.O.C. density at 20 ºC: 282,23 kg/m³ (282,23 g/L)

Average carbon number: 9,98

Average molecular weight: 143,07 g/mol

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

V.O.C. density at 20 ºC: 282,23 kg/m³ (282,23 g/L)

EU limit for the product (Cat. A.D): 300 g/L (2010)

Components: Non-applicable

## 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: | Grey |
| Odour: | Characteristic |
| Odour threshold: | Non-applicable * |

**Volatility:**

*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)

| | |
|---|---|
| Boiling point at atmospheric pressure: | 143 ºC |
| Vapour pressure at 20 ºC: | 1814 Pa |
| Vapour pressure at 50 ºC: | 9722,39 Pa (9,72 kPa) |
| Evaporation rate at 20 ºC: | Non-applicable * |
| **Product description:** | |
| Density at 20 ºC: | ≈1063 kg/m³ |
| Relative density at 20 ºC: | ≈1,063 |
| Dynamic viscosity at 20 ºC: | Non-applicable * |
| Kinematic viscosity at 20 ºC: | Non-applicable * |
| 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:** | |
| Flash Point: | 42 ºC |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature: | 230 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.

## 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 conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

- CONTINUED ON NEXT PAGE -



## SECTION 10: STABILITY AND REACTIVITY (continued)

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:**

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 (CO2), 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 .

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

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous 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: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

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 dangerous for the effects mentioned. For more information see section 3.
  IARC: Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics (3); Cobalt bis(2-ethylhexanoate) (2B); Fatty acids, C6-19-branched, cobalt(2+) salts (2B); Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (3); Titanium dioxide (2B); Xylene (3); Hydrocarbons, C9, aromatics (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

E- Sensitizing effects:

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

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

- CONTINUED ON NEXT PAGE -



## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

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

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.
- Skin: Repeated exposure may cause skin dryness or cracking

H- Aspiration hazard:

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

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics | LD50 oral | >5000 mg/kg | Rat |
| CAS: 64742-48-9 | LD50 dermal | Non-applicable | |
| EC: 919-857-5 | LC50 inhalation | Non-applicable | |
| 2-ethylhexanoic acid, zirconium salt | LD50 oral | 2043 mg/kg | Rat |
| CAS: 22464-99-9 | LD50 dermal | Non-applicable | |
| EC: 245-018-1 | LC50 inhalation | Non-applicable | |
| Xylene | LD50 oral | 2100 mg/kg | Rat |
| CAS: 1330-20-7 | LD50 dermal | 1100 mg/kg | Rat |
| EC: 215-535-7 | LC50 inhalation | Non-applicable | |
| calcium bis(2-ethylhexanoate) | LD50 oral | 2043 mg/kg | Rat |
| CAS: 136-51-6 | LD50 dermal | Non-applicable | |
| EC: 205-249-0 | LC50 inhalation | Non-applicable | |
| 2-methoxy-1-methylethyl acetate | LD50 oral | 8532 mg/kg | Rat |
| CAS: 108-65-6 | LD50 dermal | >5000 mg/kg | Rat |
| EC: 203-603-9 | LC50 inhalation | 30 mg/L (4 h) | Rat |
| phthalic anhydride | LD50 oral | 1530 mg/kg | Rat |
| CAS: 85-44-9 | LD50 dermal | Non-applicable | |
| EC: 201-607-5 | LC50 inhalation | Non-applicable | |
| 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 |

**11.2 Information on other hazards:**

**Endocrine disrupting properties**

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

**Other information**

Non-applicable

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## SECTION 12: ECOLOGICAL INFORMATION

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

### 12.1 Toxicity:

**Acute toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| Propylidynetrimethyl trimethacrylate | LC50 | 2 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| CAS: 3290-92-4 | EC50 | 9,22 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 221-950-4 | EC50 | Non-applicable | | |
| 2-ethylhexanoic acid, zirconium salt | LC50 | 270 mg/L (96 h) | N/A | Fish |
| CAS: 22464-99-9 | EC50 | Non-applicable | | |
| EC: 245-018-1 | EC50 | Non-applicable | | |
| Xylene | LC50 | >10 - 100 (96 h) | | Fish |
| CAS: 1330-20-7 | EC50 | >10 - 100 (48 h) | | Crustacean |
| EC: 215-535-7 | EC50 | >10 - 100 (72 h) | | Algae |
| calcium bis(2-ethylhexanoate) | LC50 | 270 mg/L (96 h) | N/A | Fish |
| CAS: 136-51-6 | EC50 | Non-applicable | | |
| EC: 205-249-0 | EC50 | Non-applicable | | |
| 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 | | |
| Cobalt bis(2-ethylhexanoate) | LC50 | >0.1 - 1 (96 h) | | Fish |
| CAS: 136-52-7 | EC50 | >0.1 - 1 (48 h) | | Crustacean |
| EC: 205-250-6 | EC50 | >0.1 - 1 (72 h) | | Algae |
| Dipropylene Glycol Methyl Ether | LC50 | 10000 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 34590-94-8 | EC50 | 1919 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 252-104-2 | EC50 | Non-applicable | | |
| phthalic anhydride | LC50 | Non-applicable | | |
| CAS: 85-44-9 | EC50 | Non-applicable | | |
| EC: 201-607-5 | EC50 | 60 mg/L (96 h) | Pseudokirchneriella subcapitata | Algae |
| 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 |

**Chronic toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| Propylidynetrimethyl trimethacrylate | NOEC | 0,138 mg/L | Pimephales promelas | Fish |
| CAS: 3290-92-4 EC: 221-950-4 | NOEC | Non-applicable | | |

- CONTINUED ON NEXT PAGE -



## SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| 2-ethylhexanoic acid, zirconium salt | NOEC | Non-applicable | | |
| CAS: 22464-99-9 EC: 245-018-1 | NOEC | 25 mg/L | Daphnia magna | Crustacean |
| 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 |
| calcium bis(2-ethylhexanoate) | NOEC | Non-applicable | | |
| CAS: 136-51-6 EC: 205-249-0 | NOEC | 25 mg/L | Daphnia magna | 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 |
| Cobalt bis(2-ethylhexanoate) | NOEC | 0,21 mg/L | Pimephales promelas | Fish |
| CAS: 136-52-7 EC: 205-250-6 | NOEC | 0,1697 mg/L | Aeolosoma sp. | Crustacean |
| Dipropylene Glycol Methyl Ether | NOEC | Non-applicable | | |
| CAS: 34590-94-8 EC: 252-104-2 | NOEC | 0,5 mg/L | Daphnia magna | Crustacean |
| phthalic anhydride | NOEC | 10 mg/L | Oncorhynchus mykiss | Fish |
| CAS: 85-44-9 EC: 201-607-5 | NOEC | 16 mg/L | Daphnia magna | Crustacean |
| N-butyl acetate | NOEC | Non-applicable | | |
| CAS: 123-86-4 EC: 204-658-1 | NOEC | 23,2 mg/L | Daphnia magna | Crustacean |

### 12.2 Persistence and degradability:

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics | BOD5 | Non-applicable | Concentration | Non-applicable |
| CAS: 64742-48-9 | COD | Non-applicable | Period | 28 days |
| EC: 919-857-5 | BOD5/COD | Non-applicable | % Biodegradable | 80 % |
| 2-ethylhexanoic acid, zirconium salt | BOD5 | Non-applicable | Concentration | 20 mg/L |
| CAS: 22464-99-9 | COD | Non-applicable | Period | 28 days |
| EC: 245-018-1 | BOD5/COD | Non-applicable | % Biodegradable | 99 % |
| 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 % |
| calcium bis(2-ethylhexanoate) | BOD5 | Non-applicable | Concentration | 20 mg/L |
| CAS: 136-51-6 | COD | Non-applicable | Period | 28 days |
| EC: 205-249-0 | BOD5/COD | Non-applicable | % Biodegradable | 99 % |
| 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 % |

- CONTINUED ON NEXT PAGE -



## SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| Dipropylene Glycol Methyl Ether | BOD5 | Non-applicable | Concentration | Non-applicable |
| CAS: 34590-94-8 | COD | 0 g O2/g | Period | 28 days |
| EC: 252-104-2 | BOD5/COD | Non-applicable | % Biodegradable | 73 % |
| phthalic anhydride | BOD5 | Non-applicable | Concentration | 100 mg/L |
| CAS: 85-44-9 | COD | Non-applicable | Period | 14 days |
| EC: 201-607-5 | BOD5/COD | Non-applicable | % Biodegradable | 85,2 % |
| 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 % |

### 12.3 Bioaccumulative potential:

| Identification | Bioaccumulation potential | |
|---|---|---|
| 2-ethylhexanoic acid, zirconium salt | BCF | |
| CAS: 22464-99-9 | Pow Log | 2.96 |
| EC: 245-018-1 | Potential | |
| Xylene | BCF | 9 |
| CAS: 1330-20-7 | Pow Log | 2.77 |
| EC: 215-535-7 | Potential | Low |
| calcium bis(2-ethylhexanoate) | BCF | |
| CAS: 136-51-6 | Pow Log | 2.96 |
| EC: 205-249-0 | Potential | |
| 2-methoxy-1-methylethyl acetate | BCF | 1 |
| CAS: 108-65-6 | Pow Log | 0.43 |
| EC: 203-603-9 | Potential | Low |
| Dipropylene Glycol Methyl Ether | BCF | 1 |
| CAS: 34590-94-8 | Pow Log | -0.06 |
| EC: 252-104-2 | Potential | Low |
| N-butyl acetate | BCF | 4 |
| CAS: 123-86-4 | Pow Log | 1.78 |
| EC: 204-658-1 | Potential | Low |

### 12.4 Mobility in soil:

| Identification | Absorption/desorption | | Volatility | |
|---|---|---|---|---|
| 2-ethylhexanoic acid, zirconium salt | Koc | Non-applicable | Henry | 2,94E-1 Pa·m³/mol |
| CAS: 22464-99-9 | Conclusion | Non-applicable | Dry soil | Yes |
| EC: 245-018-1 | Surface tension | Non-applicable | Moist soil | Yes |

- CONTINUED ON NEXT PAGE -



## SECTION 12: ECOLOGICAL INFORMATION (continued)

| 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 |
| calcium bis(2-ethylhexanoate) | Koc | Non-applicable | Henry | 2,94E-1 Pa·m³/mol |
| CAS: 136-51-6 | Conclusion | Non-applicable | Dry soil | Yes |
| EC: 205-249-0 | Surface tension | Non-applicable | Moist soil | Yes |
| phthalic anhydride | Koc | 36 | Henry | Non-applicable |
| CAS: 85-44-9 | Conclusion | Very High | Dry soil | Non-applicable |
| EC: 201-607-5 | Surface tension | 1,531E-2 N/m (324,43 ºC) | Moist soil | Non-applicable |
| Propylidynetrimethanol | Koc | Non-applicable | Henry | Non-applicable |
| CAS: 77-99-6 | Conclusion | Non-applicable | Dry soil | Non-applicable |
| EC: 201-074-9 | Surface tension | 2,357E-2 N/m (246,93 ºC) | Moist soil | Non-applicable |
| 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 |
| maleic anhydride | Koc | Non-applicable | Henry | Non-applicable |
| CAS: 108-31-6 | Conclusion | Non-applicable | Dry soil | Non-applicable |
| EC: 203-571-6 | Surface tension | 1,673E-2 N/m (250,21 ºC) | Moist soil | Non-applicable |

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

Product fails to meet PBT/vPvB criteria

**12.6 Endocrine disrupting properties:**

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

**12.7 Other adverse effects:**

Not described

## 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 | Dangerous |

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

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

**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. We do not recommended disposal down the drain. 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:

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## 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 39-18:




**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 2021:




**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:**

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains 1,2-benzisothiazol-3(2H)-one.
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

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## SECTION 15: REGULATORY INFORMATION (continued)

Article 95, REGULATION (EU) No 528/2012: Non-applicable

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.:**

Non-applicable

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

H336: May cause drowsiness or dizziness.
H317: May cause an allergic skin reaction.
H226: Flammable liquid and vapour.

**Texts of the legislative phrases mentioned in section 3:**

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

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

- CONTINUED ON NEXT PAGE -



## SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Repr. 1B: H360Fd - May damage fertility. Suspected of damaging the unborn child.
Repr. 2: H361d - Suspected of damaging the unborn child.
Repr. 2: H361fd - Suspected of damaging fertility. 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. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).
STOT SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

**Classification procedure:**

STOT SE 3: Calculation method
Skin Sens. 1A: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)

**Advice related to training:**

Minimal 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 -