# CC/1758
# Solvent based clear coats

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

**1.1 Product identifier:** CC/1758
Solvent based clear coats

**Other means of identification:**

Non-applicable

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

Relevant uses: Varnish. For 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:**

BERNARDO ECENARRO, S.A.
Ugarte Industrialdea, 147
20720 Azkoitia - Gipuzkoa - Spain
Phone: +34 943 74 28 00 - Fax: +34 943 74 06 03
msds@besa.es
http://www.besa.es

**1.4 Emergency telephone number:** +34 943742800 (8:00-13:00) (14:30-17:30)

## SECTION 2: HAZARDS IDENTIFICATION **

**2.1 Classification of the substance or mixture:**

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

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
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:**

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT SE 3: H336 - May cause drowsiness or dizziness.

**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.
P302+P352: IF ON SKIN: Wash with plenty of water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

**Supplementary information:**

EUH066: Repeated exposure may cause skin dryness or cracking.
Contains Hydroxyphenyl benzotriazol derivative, isobutyl methacrylate.

**Substances that contribute to the classification**

N-butyl acetate; Hydrocarbons, C9, aromatics; acetone; Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

**2.3 Other hazards:**

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

*** Changes with regards to the previous version*

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:**

Non-applicable

**3.2 Mixture:**

**Chemical description:** Mixture composed of additives 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: 123-86-4<br>EC: 204-658-1<br>Index: 607-025-00-1<br>REACH: 01-2119485493-29-XXXX | **N-butyl acetate** [1] | ATP CLP00 | **10 - <25 %** |
| | Regulation 1272/2008 | Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning | |
| CAS: 110-43-0<br>EC: 203-767-1<br>Index: 606-024-00-3<br>REACH: 01-2119902391-49-XXXX | **heptan-2-one** [2] | ATP CLP00 | **10 - <25 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H302+H332; Flam. Liq. 3: H226 - Warning | |
| CAS: 128601-23-0<br>EC: 918-668-5<br>Index: Non-applicable<br>REACH: 01-2119455851-35-XXXX | **Hydrocarbons, C9, aromatics** [2] | Self-classified | **5 - <10 %** |
| | Regulation 1272/2008 | Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; STOT SE 3: H336; EUH066 - Danger | |
| CAS: 1330-20-7<br>EC: 215-535-7<br>Index: 601-022-00-9<br>REACH: 01-2119488216-32-XXXX | **Xylene** [2] | Self-classified | **2,5 - <5 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H312+H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger | |
| CAS: 108-65-6<br>EC: 203-603-9<br>Index: 607-195-00-7<br>REACH: 01-2119475791-29-XXXX | **2-methoxy-1-methylethyl acetate** [1] | ATP ATP01 | **1 - <2,5 %** |
| | Regulation 1272/2008 | Flam. Liq. 3: H226 - Warning | |
| CAS: 67-64-1<br>EC: 200-662-2<br>Index: 606-001-00-8<br>REACH: 01-2119471330-49-XXXX | **acetone** [2] | ATP CLP00 | **1 - <2,5 %** |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger | |
| CAS: Non-applicable<br>EC: 400-830-7<br>Index: 607-176-00-3<br>REACH: 01-0000015075-76-XXXX | **Hydroxyphenyl benzotriazol derivative** [2] | ATP CLP00 | **0,5 - <1 %** |
| | Regulation 1272/2008 | Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning | |
| CAS: 112-07-2<br>EC: 203-933-3<br>Index: 607-038-00-2<br>REACH: 01-2119475112-47-XXXX | **2-butoxyethyl acetate** [3] | ATP CLP00 | **0,5 - <1 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H312+H332 - Warning | |
| CAS: 1065336-91-5<br>EC: 915-687-0<br>Index: Non-applicable<br>REACH: 01-2119491304-40-XXXX | **Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate** [2] | Self-classified | **0,25 - <0,5 %** |
| | Regulation 1272/2008 | Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Repr. 2: H361f; Skin Sens. 1A: H317 - Warning | |
| CAS: 97-86-9<br>EC: 202-613-0<br>Index: 607-113-00-X<br>REACH: 01-2119488331-38-XXXX | **isobutyl methacrylate** [2] | ATP ATP13 | **<0,2 %** |
| | Regulation 1272/2008 | Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317; STOT SE 3: H335 - Warning | |

[1] Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878
[2] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[3] Substance with a Union workplace exposure limit

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

## 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:**

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## SECTION 4: FIRST AID MEASURES (continued)

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:**

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:**

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## SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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

It is recommended:

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

**6.4 Reference to other sections:**

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,…) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

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

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

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

A.- Technical measures for storage

Minimum Temp.: 5 ºC

Maximum Temp.: 30 ºC

Maximum time: 24 Months

B.- General conditions for storage

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

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

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

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:**

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

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

| Identification | Occupational exposure limits | | |
|---|---|---|---|
| N-butyl acetate<br>CAS: 123-86-4 EC: 204-658-1 | IOELV (8h) | 50 ppm | 241 mg/m³ |
| | IOELV (STEL) | 150 ppm | 723 mg/m³ |
| acetone<br>CAS: 67-64-1 EC: 200-662-2 | IOELV (8h) | 500 ppm | 1210 mg/m³ |
| | IOELV (STEL) | | |

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

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

| Identification | Occupational exposure limits | | |
|---|---|---|---|
| heptan-2-one | IOELV (8h) | 50 ppm | 238 mg/m³ |
| CAS: 110-43-0 EC: 203-767-1 | IOELV (STEL) | 100 ppm | 475 mg/m³ |
| 2-methoxy-1-methylethyl acetate | IOELV (8h) | 50 ppm | 275 mg/m³ |
| CAS: 108-65-6 EC: 203-603-9 | IOELV (STEL) | 100 ppm | 550 mg/m³ |
| Xylene | IOELV (8h) | 50 ppm | 221 mg/m³ |
| CAS: 1330-20-7 EC: 215-535-7 | IOELV (STEL) | 100 ppm | 442 mg/m³ |
| 2-butoxyethyl acetate | IOELV (8h) | 20 ppm | 133 mg/m³ |
| CAS: 112-07-2 EC: 203-933-3 | IOELV (STEL) | 50 ppm | 333 mg/m³ |

**DNEL (Workers):**

| 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 |
| heptan-2-one | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 110-43-0 | Dermal | Non-applicable | Non-applicable | 54,27 mg/kg | Non-applicable |
| EC: 203-767-1 | Inhalation | 1516 mg/m³ | Non-applicable | 394,25 mg/m³ | Non-applicable |
| Hydrocarbons, C9, aromatics | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 128601-23-0 | Dermal | Non-applicable | Non-applicable | 25 mg/kg | Non-applicable |
| EC: 918-668-5 | Inhalation | Non-applicable | Non-applicable | 150 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 |
| 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 |
| acetone | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 67-64-1 | Dermal | Non-applicable | Non-applicable | 186 mg/kg | Non-applicable |
| EC: 200-662-2 | Inhalation | Non-applicable | 2420 mg/m³ | 1210 mg/m³ | Non-applicable |
| Hydroxyphenyl benzotriazol derivative | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: Non-applicable | Dermal | Non-applicable | Non-applicable | 0,5 mg/kg | Non-applicable |
| EC: 400-830-7 | Inhalation | Non-applicable | Non-applicable | 0,35 mg/m³ | Non-applicable |
| 2-butoxyethyl acetate | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 112-07-2 | Dermal | 120 mg/kg | Non-applicable | 169 mg/kg | Non-applicable |
| EC: 203-933-3 | Inhalation | Non-applicable | 333 mg/m³ | 133 mg/m³ | Non-applicable |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 1065336-91-5 | Dermal | Non-applicable | Non-applicable | 0,5 mg/kg | Non-applicable |
| EC: 915-687-0 | Inhalation | Non-applicable | Non-applicable | 0,68 mg/m³ | Non-applicable |
| isobutyl methacrylate | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 97-86-9 | Dermal | Non-applicable | Non-applicable | 5 mg/kg | Non-applicable |
| EC: 202-613-0 | Inhalation | Non-applicable | Non-applicable | 415,9 mg/m³ | 409 mg/m³ |

**DNEL (General population):**

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| 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 |

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

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| heptan-2-one | Oral | Non-applicable | Non-applicable | 23,32 mg/kg | Non-applicable |
| CAS: 110-43-0 | Dermal | Non-applicable | Non-applicable | 23,32 mg/kg | Non-applicable |
| EC: 203-767-1 | Inhalation | Non-applicable | Non-applicable | 84,31 mg/m³ | Non-applicable |
| Hydrocarbons, C9, aromatics | Oral | Non-applicable | Non-applicable | 11 mg/kg | Non-applicable |
| CAS: 128601-23-0 | Dermal | Non-applicable | Non-applicable | 11 mg/kg | Non-applicable |
| EC: 918-668-5 | Inhalation | Non-applicable | Non-applicable | 32 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 |
| 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 |
| acetone | Oral | Non-applicable | Non-applicable | 62 mg/kg | Non-applicable |
| CAS: 67-64-1 | Dermal | Non-applicable | Non-applicable | 62 mg/kg | Non-applicable |
| EC: 200-662-2 | Inhalation | Non-applicable | Non-applicable | 200 mg/m³ | Non-applicable |
| Hydroxyphenyl benzotriazol derivative | Oral | Non-applicable | Non-applicable | 0,025 mg/kg | Non-applicable |
| CAS: Non-applicable | Dermal | Non-applicable | Non-applicable | 0,25 mg/kg | Non-applicable |
| EC: 400-830-7 | Inhalation | Non-applicable | Non-applicable | 0,085 mg/m³ | Non-applicable |
| 2-butoxyethyl acetate | Oral | 36 mg/kg | Non-applicable | 8,6 mg/kg | Non-applicable |
| CAS: 112-07-2 | Dermal | 72 mg/kg | Non-applicable | 102 mg/kg | Non-applicable |
| EC: 203-933-3 | Inhalation | Non-applicable | 200 mg/m³ | 80 mg/m³ | Non-applicable |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | Oral | Non-applicable | Non-applicable | 0,05 mg/kg | Non-applicable |
| CAS: 1065336-91-5 | Dermal | Non-applicable | Non-applicable | 0,25 mg/kg | Non-applicable |
| EC: 915-687-0 | Inhalation | Non-applicable | Non-applicable | 0,17 mg/m³ | Non-applicable |
| isobutyl methacrylate | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 97-86-9 | Dermal | Non-applicable | Non-applicable | 3 mg/kg | Non-applicable |
| EC: 202-613-0 | Inhalation | Non-applicable | Non-applicable | 66,5 mg/m³ | 366,4 mg/m³ |

**PNEC:**

| Identification | | | | |
|---|---|---|---|---|
| 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 |
| heptan-2-one | STP | 12,5 mg/L | Fresh water | 0,098 mg/L |
| CAS: 110-43-0 | Soil | 0,321 mg/kg | Marine water | 0,01 mg/L |
| EC: 203-767-1 | Intermittent | 0,982 mg/L | Sediment (Fresh water) | 1,89 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,189 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 |
| 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 |
| acetone | STP | 100 mg/L | Fresh water | 10,6 mg/L |
| CAS: 67-64-1 | Soil | 29,5 mg/kg | Marine water | 1,06 mg/L |
| EC: 200-662-2 | Intermittent | 21 mg/L | Sediment (Fresh water) | 30,4 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 3,04 mg/kg |

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

| Identification | | | | |
|---|---|---|---|---|
| Hydroxyphenyl benzotriazol derivative | STP | 10 mg/L | Fresh water | 0,002 mg/L |
| CAS: Non-applicable | Soil | 2 mg/kg | Marine water | 0 mg/L |
| EC: 400-830-7 | Intermittent | 0,028 mg/L | Sediment (Fresh water) | 3,37 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,337 mg/kg |
| 2-butoxyethyl acetate | STP | 90 mg/L | Fresh water | 0,304 mg/L |
| CAS: 112-07-2 | Soil | 0,415 mg/kg | Marine water | 0,03 mg/L |
| EC: 203-933-3 | Intermittent | 0,56 mg/L | Sediment (Fresh water) | 2,03 mg/kg |
| | Oral | 0,06 g/kg | Sediment (Marine water) | 0,203 mg/kg |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | STP | 1 mg/L | Fresh water | 0,002 mg/L |
| CAS: 1065336-91-5 | Soil | 0,21 mg/kg | Marine water | 0 mg/L |
| EC: 915-687-0 | Intermittent | 0,009 mg/L | Sediment (Fresh water) | 1,05 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,11 mg/kg |
| isobutyl methacrylate | STP | 10 mg/L | Fresh water | 0,021 mg/L |
| CAS: 97-86-9 | Soil | 1,16 mg/kg | Marine water | 0,002 mg/L |
| EC: 202-613-0 | Intermittent | 0,2 mg/L | Sediment (Fresh water) | 5,89 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,589 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, vapours and particles | CE CAT III | EN 149:2001+A1:2009<br>EN 405:2002+A1:2010<br>EN ISO 136:1998 | Replace when an increase in resistence to breathing is observed and/or a smell or taste of the contaminant is detected. |

C.- Specific protection for the hands

| 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) | CE CAT III | 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 | 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

- CONTINUED ON NEXT PAGE -

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

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties | CE CAT III | EN 1149-1,2,3<br>EN 13034:2005+A1:2009<br>EN ISO 13982-1:2004/A1:2010<br>EN ISO 6529:2013<br>EN ISO 6530:2005<br>EN ISO 13688:2013<br>EN 464:1994 | For professional use only. Clean periodically according to the manufacturer´s instructions. |
|  Mandatory foot protection | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties | CE CAT III | EN ISO 13287:2020<br>EN ISO 20345:2011<br>EN 13832-1:2019 | Replace boots at any sign of deterioration. |

F.- Additional emergency measures

| 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): | 48,01 % weight |
| V.O.C. density at 20 ºC: | 465,73 kg/m³ (465,73 g/L) |
| Average carbon number: | 6,81 |
| Average molecular weight: | 114,62 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: | 410 kg/m³ (410 g/L) |
| EU limit for the product (Cat. B.D): | 420 g/L (2010) |
| Components: | (Hardener solvent) |

## 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: | Fluid |
| Colour: | Colourless |
| Odour: | Solvent |
| Odour threshold: | Non-applicable * |

**Volatility:**

| | |
|---|---|
| Boiling point at atmospheric pressure: | 130 ºC |
| Vapour pressure at 20 ºC: | 1912 Pa |
| Vapour pressure at 50 ºC: | 7900,25 Pa (7,9 kPa) |
| Evaporation rate at 20 ºC: | Non-applicable * |

**Product description:**

*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)

| | |
|---|---|
| Density at 20 ºC: | 965 - 975 kg/m³ |
| Relative density at 20 ºC: | 0,965 - 0,975 |
| Dynamic viscosity at 20 ºC: | 82 - 56 cP |
| Kinematic viscosity at 20 ºC: | 71 mm²/s |
| Kinematic viscosity at 40 ºC: | Non-applicable * |
| 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: | Immiscible |
| Decomposition temperature: | Non-applicable * |
| Melting point/freezing point: | Non-applicable * |
| **Flammability:** | |
| Flash Point: | 30 ºC |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature: | 300 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 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 |

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## SECTION 10: STABILITY AND REACTIVITY (continued)

**10.5 Incompatible materials:**

| Acids | Water | Oxidising materials | Combustible materials | Others |
|---|---|---|---|---|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO ), carbon monoxide and other organic compounds

## SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

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

**Dangerous health implications:**

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

A- Ingestion (acute effect):

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

B- Inhalation (acute effect):

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

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

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous 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 hazardous 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 hazardous for the effects mentioned. For more information see section 3.
  IARC: Hydrocarbons, C9, aromatics (3); Xylene (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

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

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

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

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

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. 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 hazardous for this effect. For more information see section 3.

**Other information:**

- CONTINUED ON NEXT PAGE -

## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Non-applicable

**Specific toxicology information on the substances:**

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| N-butyl acetate | LD50 oral | 12789 mg/kg | Rat |
| CAS: 123-86-4 | LD50 dermal | 14112 mg/kg | Rabbit |
| EC: 204-658-1 | LC50 inhalation | 23,4 mg/L (4 h) | Rat |
| acetone | LD50 oral | 5800 mg/kg | Rat |
| CAS: 67-64-1 | LD50 dermal | 7426 mg/kg | Rabbit |
| EC: 200-662-2 | LC50 inhalation | 76 mg/L (4 h) | Rat |
| heptan-2-one | LD50 oral | 1600 mg/kg | Rat |
| CAS: 110-43-0 | LD50 dermal | >2000 mg/kg | |
| EC: 203-767-1 | LC50 inhalation | 11 mg/L (4 h) | Rat |
| Hydrocarbons, C9, aromatics | LD50 oral | 3492 mg/kg | Rat |
| CAS: 128601-23-0 | LD50 dermal | 3160 mg/kg | Rabbit |
| EC: 918-668-5 | LC50 inhalation | 6193 mg/L (4 h) | Rat |
| 2-methoxy-1-methylethyl acetate | LD50 oral | 8532 mg/kg | Rat |
| CAS: 108-65-6 | LD50 dermal | 5100 mg/kg | Rat |
| EC: 203-603-9 | LC50 inhalation | 30 mg/L (4 h) | Rat |
| Xylene | LD50 oral | 2100 mg/kg | Rat |
| CAS: 1330-20-7 | LD50 dermal | 1100 mg/kg | Rat |
| EC: 215-535-7 | LC50 inhalation | 11 mg/L (ATEi) | |
| Hydroxyphenyl benzotriazol derivative | LD50 oral | >2000 mg/kg | |
| CAS: Non-applicable | LD50 dermal | >2000 mg/kg | |
| EC: 400-830-7 | LC50 inhalation | >20 mg/L | |
| 2-butoxyethyl acetate | LD50 oral | 2100 mg/kg | Rat |
| CAS: 112-07-2 | LD50 dermal | 1480 mg/kg | Rabbit |
| EC: 203-933-3 | LC50 inhalation | 11 mg/L (4 h) | Rat |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | LD50 oral | 3230 mg/kg | Rat |
| CAS: 1065336-91-5 | LD50 dermal | >2000 mg/kg | |
| EC: 915-687-0 | LC50 inhalation | >20 mg/L | |
| isobutyl methacrylate | LD50 oral | 9600 mg/kg | Rat |
| CAS: 97-86-9 | LD50 dermal | >2000 mg/kg | |
| EC: 202-613-0 | LC50 inhalation | >20 mg/L | |

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

| ATE mix | | Ingredient(s) of unknown toxicity |
|---|---|---|
| Oral | 11034,48 mg/kg (Calculation method) | 0 % |
| Dermal | 33639,14 mg/kg (Calculation method) | 0 % |
| Inhalation | 61,9 mg/L (4 h) (Calculation method) | 0 % |

**11.2 Information on other hazards:**

**Endocrine disrupting properties**

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

**Other information**

Non-applicable

## 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:**

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

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

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| N-butyl acetate | LC50 | Non-applicable | | |
| CAS: 123-86-4 | EC50 | Non-applicable | | |
| EC: 204-658-1 | EC50 | 675 mg/L (72 h) | Scenedesmus subspicatus | Algae |
| heptan-2-one | LC50 | 131 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 110-43-0 | EC50 | Non-applicable | | |
| EC: 203-767-1 | EC50 | Non-applicable | | |
| Hydrocarbons, C9, aromatics | LC50 | >1 - 10 mg/L (96 h) | | Fish |
| CAS: 128601-23-0 | EC50 | >1 - 10 mg/L (48 h) | | Crustacean |
| EC: 918-668-5 | EC50 | >1 - 10 mg/L (72 h) | | Algae |
| Xylene | LC50 | >10 - 100 mg/L (96 h) | | Fish |
| CAS: 1330-20-7 | EC50 | >10 - 100 mg/L (48 h) | | Crustacean |
| EC: 215-535-7 | EC50 | >10 - 100 mg/L (72 h) | | Algae |
| 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 | | |
| acetone | LC50 | 5540 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| CAS: 67-64-1 | EC50 | 8800 mg/L (48 h) | Daphnia pulex | Crustacean |
| EC: 200-662-2 | EC50 | 3400 mg/L (48 h) | Chlorella pyrenoidosa | Algae |
| Hydroxyphenyl benzotriazol derivative | LC50 | >1 - 10 mg/L (96 h) | | Fish |
| CAS: Non-applicable | EC50 | >1 - 10 mg/L (48 h) | | Crustacean |
| EC: 400-830-7 | EC50 | >1 - 10 mg/L (72 h) | | Algae |
| 2-butoxyethyl acetate | LC50 | 80 mg/L (48 h) | Leuciscus idus | Fish |
| CAS: 112-07-2 | EC50 | 37 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 203-933-3 | EC50 | 500 mg/L (72 h) | Scenedesmus subspicatus | Algae |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | LC50 | 0,9 mg/L (96 h) | Danio rerio | Fish |
| CAS: 1065336-91-5 | EC50 | Non-applicable | | |
| EC: 915-687-0 | EC50 | 1,7 mg/L (72 h) | Desmodesmus subspicatus | Algae |
| isobutyl methacrylate | LC50 | 20 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| CAS: 97-86-9 | EC50 | 23 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 202-613-0 | EC50 | 0,29 mg/L (96 h) | Selenastrum capricornutum | Algae |

**Chronic toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| N-butyl acetate | NOEC | Non-applicable | | |
| CAS: 123-86-4 EC: 204-658-1 | NOEC | 23,2 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 |
| 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 |
| acetone | NOEC | Non-applicable | | |
| CAS: 67-64-1 EC: 200-662-2 | NOEC | 2212 mg/L | Daphnia magna | Crustacean |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | NOEC | Non-applicable | | |
| CAS: 1065336-91-5 EC: 915-687-0 | NOEC | 1 mg/L | Daphnia magna | Crustacean |

### 12.2 Persistence and degradability:

**Substance-specific information:**

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| 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 % |

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

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

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| Xylene | BOD5 | Non-applicable | Concentration | Non-applicable |
| CAS: 1330-20-7 | COD | Non-applicable | Period | 28 days |
| EC: 215-535-7 | BOD5/COD | Non-applicable | % Biodegradable | 88 % |
| 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 % |
| acetone | BOD5 | Non-applicable | Concentration | 100 mg/L |
| CAS: 67-64-1 | COD | Non-applicable | Period | 28 days |
| EC: 200-662-2 | BOD5/COD | Non-applicable | % Biodegradable | 96 % |
| 2-butoxyethyl acetate | BOD5 | Non-applicable | Concentration | 30 mg/L |
| CAS: 112-07-2 | COD | Non-applicable | Period | 28 days |
| EC: 203-933-3 | BOD5/COD | Non-applicable | % Biodegradable | 77,3 % |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | BOD5 | Non-applicable | Concentration | 20 mg/L |
| CAS: 1065336-91-5 | COD | Non-applicable | Period | 28 days |
| EC: 915-687-0 | BOD5/COD | Non-applicable | % Biodegradable | 38 % |

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

| Identification | Bioaccumulation potential | |
|---|---|---|
| N-butyl acetate | BCF | 4 |
| CAS: 123-86-4 | Pow Log | 1.78 |
| EC: 204-658-1 | Potential | Low |
| heptan-2-one | BCF | 7 |
| CAS: 110-43-0 | Pow Log | 1.98 |
| EC: 203-767-1 | Potential | Low |
| Xylene | BCF | 9 |
| CAS: 1330-20-7 | Pow Log | 2.77 |
| EC: 215-535-7 | Potential | Low |
| 2-methoxy-1-methylethyl acetate | BCF | 1 |
| CAS: 108-65-6 | Pow Log | 0.43 |
| EC: 203-603-9 | Potential | Low |
| acetone | BCF | 1 |
| CAS: 67-64-1 | Pow Log | -0.24 |
| EC: 200-662-2 | Potential | Low |
| 2-butoxyethyl acetate | BCF | 3 |
| CAS: 112-07-2 | Pow Log | 1.51 |
| EC: 203-933-3 | Potential | Low |
| isobutyl methacrylate | BCF | 26 |
| CAS: 97-86-9 | Pow Log | 2.66 |
| EC: 202-613-0 | Potential | Low |

**12.4 Mobility in soil:**

| Identification | Absorption/desorption | | Volatility | |
|---|---|---|---|---|
| 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 |
| heptan-2-one | Koc | 280 | Henry | 17,12 Pa·m³/mol |
| CAS: 110-43-0 | Conclusion | Moderate | Dry soil | Yes |
| EC: 203-767-1 | Surface tension | 2,612E-2 N/m (25 ºC) | Moist soil | Yes |
| 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 |

*** Changes with regards to the previous version*

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

| Identification | Absorption/desorption | | Volatility | |
|---|---|---|---|---|
| acetone | Koc | 1 | Henry | 2,93 Pa·m³/mol |
| CAS: 67-64-1 | Conclusion | Very High | Dry soil | Yes |
| EC: 200-662-2 | Surface tension | 2,304E-2 N/m (25 ºC) | Moist soil | Yes |
| 2-butoxyethyl acetate | Koc | Non-applicable | Henry | 5,532E-1 Pa·m³/mol |
| CAS: 112-07-2 | Conclusion | Non-applicable | Dry soil | No |
| EC: 203-933-3 | Surface tension | Non-applicable | Moist soil | Yes |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | Koc | 204400 | Henry | 0E+0 Pa·m³/mol |
| CAS: 1065336-91-5 | Conclusion | Immobile | Dry soil | No |
| EC: 915-687-0 | Surface tension | Non-applicable | Moist soil | No |
| isobutyl methacrylate | Koc | 1480 | Henry | 52,69 Pa·m³/mol |
| CAS: 97-86-9 | Conclusion | Moderate | Dry soil | Yes |
| EC: 202-613-0 | Surface tension | Non-applicable | Moist soil | Yes |

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

Product fails to meet PBT/vPvB criteria

**12.6 Endocrine disrupting properties:**

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

**12.7 Other adverse effects:**

Not described

*** Changes with regards to the previous version*

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:**

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|---|---|---|
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances | Dangerous |

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

HP14 Ecotoxic, HP3 Flammable

**Waste management (disposal and evaluation):**

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

**Regulations related to waste management:**

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

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

## SECTION 14: TRANSPORT INFORMATION

**Transport of dangerous goods by land:**

With regard to ADR 2021 and RID 2021:

- CONTINUED ON NEXT PAGE -

## SECTION 14: TRANSPORT INFORMATION (continued)


| | | |
|---|---|---|
| **14.1** | **UN number or ID number:** | UN1263 |
| **14.2** | **UN proper shipping name:** | PAINT |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group:** | III |
| **14.5** | **Environmental hazards:** | No |
| **14.6** | **Special precautions for user** | |
| | Special regulations: | 163, 367, 650 |
| | Tunnel restriction code: | D/E |
| | Physico-Chemical properties: | see section 9 |
| | Limited quantities: | 5 L |
| **14.7** | **Maritime transport in bulk according to IMO instruments:** | Non-applicable |

**Transport of dangerous goods by sea:**

With regard to IMDG 40-20:


| | | |
|---|---|---|
| **14.1** | **UN number or ID number:** | UN1263 |
| **14.2** | **UN proper shipping name:** | PAINT |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group:** | III |
| **14.5** | **Marine pollutant:** | No |
| **14.6** | **Special precautions for user** | |
| | Special regulations: | 223, 955, 163, 367 |
| | EmS Codes: | F-E, S-E |
| | Physico-Chemical properties: | see section 9 |
| | Limited quantities: | 5 L |
| | Segregation group: | Non-applicable |
| **14.7** | **Maritime transport in bulk according to IMO instruments:** | Non-applicable |

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2022:


| | | |
|---|---|---|
| **14.1** | **UN number or ID number:** | UN1263 |
| **14.2** | **UN proper shipping name:** | PAINT |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group:** | III |
| **14.5** | **Environmental hazards:** | No |
| **14.6** | **Special precautions for user** | |
| | Physico-Chemical properties: | see section 9 |
| **14.7** | **Maritime transport in bulk according to IMO instruments:** | Non-applicable |

## SECTION 15: REGULATORY INFORMATION

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

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains 2-phenoxyethanol.

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 ....):**

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors: Contains acetone. Product under the provisions of Article 9. However, products that contain explosives precursors only to such a small extent and in such complex mixtures that the extraction of the explosives precursors is technically extremely difficult should be excluded from the scope of this Regulation.
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.
Contains Octamethylcyclotetrasiloxane, Decamethylcyclopentasiloxane. 1. | Shall not be placed on the market in wash-off cosmetic products in a concentration equal to or greater than 0,1 % by weight of either substance, after 31 January 2020. | 2. | For the purposes of this entry, "wash-off cosmetic products" means cosmetic products as defined in Article 2(1)(a) of Regulation (EC) No 1223/2009 that, under normal conditions of use, are washed off with water after application.'

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

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

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

## SECTION 16: OTHER INFORMATION

**Legislation related to safety data sheets:**

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

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

COMMISSION REGULATION (EU) 2020/878
Product contains PBT/vPvB substances (SECTION 2, SECTION 12):
· Removed substances
Decamethylcyclopentasiloxane (541-02-6)
Bis(tributyltin) oxide (56-35-9)
Dodecamethylcyclohexasiloxane (540-97-6)
Octamethylcyclotetrasiloxane (556-67-2)

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

H336: May cause drowsiness or dizziness.
H412: Harmful to aquatic life with long lasting effects.
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:**

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## SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
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 Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Repr. 2: H361f - Suspected of damaging fertility.
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.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
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
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)

**Advice related to training:**

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

**Principal bibliographical sources:**

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

**Abbreviations and acronyms:**

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



- END OF SAFETY DATA SHEET -