




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

- 1.1 Product identifier:** EX0179010 - MTN MAXIMO White  
**Other means of identification:**  
Non-applicable
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Spray paint  
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:**  
MONTANA COLORS, S.L.  
Pol. Ind. Pla de les Vives C/ Anaïs Nin 6  
08295 Sant Vicenç de Castellet - Barcelona - España  
Phone.: +34 938332760 (9:00- 16:00h GMT +1:00)  
msds@montanacolors.com  
<https://www.montanacolors.com>
- 1.4 Emergency telephone number:** +34 938332760 (9:00- 16:00h GMT +1:00)

## SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) No 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.  
Aerosol 1: Pressurised container: May burst if heated., H229  
Aerosol 1: Flammable aerosols, Category 1, H222  
Eye Irrit. 2: Eye irritation, Category 2, H319  
Skin Irrit. 2: Skin irritation, Category 2, H315  
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317  
STOT RE 2: Specific target organ toxicity, repeated exposure, Category 2, H373  
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Danger**
- 
- Hazard statements:**  
Aerosol 1: H229 - Pressurised container: May burst if heated.  
Aerosol 1: H222 - Extremely flammable aerosol.  
Eye Irrit. 2: H319 - Causes serious eye irritation.  
Skin Irrit. 2: H315 - Causes skin irritation.  
Skin Sens. 1A: H317 - May cause an allergic skin reaction.  
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.  
STOT SE 3: H336 - May cause drowsiness or dizziness.
- Precautionary statements:**  
P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P103: Read label before use.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211: Do not spray on an open flame or other ignition source.  
P251: Do not pierce or burn, even after use.  
P260: Do not breathe spray.  
P271: Use only outdoors or in a well-ventilated area.  
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F  
P501: Dispose of contents/container according to the separated collection system used in your municipality.
- Supplementary information:**

- CONTINUED ON NEXT PAGE -



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

Contains 2-butanone oxime, Reaction mass of: N,N-Ethane-1,2-diylbis(decanamide)/12-Hydroxy-N-[2-[1-oxodecyl]amino]ethyl] octadecanamide/N,N-Ethane-1,2-diylbis(12-hydroxyoctadecanamide).

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

**Substances that contribute to the classification**

Ethyl acetate; Reaction mass of ethylbenzene and m-xylene and p-xylene ; Cobalt bis(2-ethylhexanoate)

**UFI:** 02E0-U074-X00N-CHM7

**2.3 Other hazards:**

Product contains PBT/vPvB substances: Decametiliclopentasiloxano, Octametiliclotetrasiloxano

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

**3.1 Substance:**

Non-applicable

**3.2 Mixture:**

**Chemical description:** Aerosol

**Components:**

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

| Identification  | Chemical name/Classification   |  | Concentration |
|---|--|--|---------------|
| CAS: 141-78-6<br>EC: 205-500-4<br>Index: 607-022-00-5<br>REACH: 01-2119475103-46-XXXX         | <b>Ethyl acetate<sup>(1)</sup></b> ATP CLP00   |  | 10 - <25 %    |
|   | Regulation 1272/2008   | Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger   |               |
| CAS: 13463-67-7<br>EC: 236-675-5<br>Index: Non-applicable<br>REACH: 01-2119489379-17-XXXX     | <b>Titanium dioxide (aerodynamic diameter ≤ 10 µm)<sup>(1)</sup></b> Self-classified         |  | 10 - <25 %    |
|   | Regulation 1272/2008   | Carc. 2: H351 - Warning  |               |
| CAS: Non-applicable<br>EC: 905-562-9<br>Index: Non-applicable<br>REACH: 01-2119555267-33-XXXX | <b>Reaction mass of ethylbenzene and m-xylene and p-xylene<sup>(1)</sup></b> Self-classified |  | 10 - <25 %    |
|   | Regulation 1272/2008   | Acute Tox. 4: H312+H332; 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: 106-97-8<br>EC: 203-448-7<br>Index: 601-004-00-0<br>REACH: 01-2119474691-32-XXXX         | <b>Butane<sup>(2)</sup></b> ATP CLP00  |  | 10 - <25 %    |
|   | Regulation 1272/2008   | Flam. Gas 1A: H220; Press. Gas: H280 - Danger  |               |
| CAS: 74-98-6<br>EC: 200-827-9<br>Index: 601-003-00-5<br>REACH: 01-2119486944-21-XXXX          | <b>Propane<sup>(2)</sup></b> ATP CLP00   |  | 2,5 - <10 %   |
|   | Regulation 1272/2008   | Flam. Gas 1A: H220; Press. Gas: H280 - Danger  |               |
| CAS: 75-28-5<br>EC: 200-857-2<br>Index: 601-004-00-0<br>REACH: 01-2119485395-27-XXXX          | <b>Isobutane<sup>(2)</sup></b> ATP CLP00   |  | 2,5 - <10 %   |
|   | Regulation 1272/2008   | Flam. Gas 1A: H220; Press. Gas: H280 - Danger  |               |
| CAS: 108-65-6<br>EC: 203-603-9<br>Index: 607-195-00-7<br>REACH: 01-2119475791-29-XXXX         | <b>2-methoxy-1-methylethyl acetate<sup>(3)</sup></b> Self-classified                         |  | <1 %          |
|   | Regulation 1272/2008   | Flam. Liq. 3: H226; STOT SE 3: H336 - Warning  |               |
| CAS: 123-86-4<br>EC: 204-658-1<br>Index: 607-025-00-1<br>REACH: 01-2119485493-29-XXXX         | <b>N-butyl acetate<sup>(3)</sup></b> ATP CLP00   |  | <1 %          |
|   | Regulation 1272/2008   | Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning  |               |
| CAS: 1330-20-7<br>EC: 215-535-7<br>Index: 601-022-00-9<br>REACH: 01-2119488216-32-XXXX        | <b>Xylene<sup>(3)</sup></b> Self-classified  |  | <1 %          |
|   | Regulation 1272/2008   | Acute Tox. 4: H312+H332; 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 |               |

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

<sup>(2)</sup> Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2015/830

<sup>(3)</sup> Substance with a Union workplace exposure limit



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

| Identification  | Chemical name/Classification  | Concentration           |
|---|---|-------------------------|
| CAS: 22464-99-9<br>EC: 245-018-1<br>Index: Non-applicable<br>REACH: 01-2119979088-21-XXXX   | <b>2-ethylhexanoic acid, zirconium salt<sup>(1)</sup></b><br>Regulation 1272/2008 Repr. 2: H361d - Warning  | Self-classified<br><1 % |
| CAS: Non-applicable<br>EC: 430-050-2<br>Index: 616-127-00-5<br>REACH: 01-2120789217-43-XXXX | <b>Reaction mass of: N,N-Ethane-1,2-diylbis(decanamide)/12-Hydroxy-N-[2-[1-oxydecyl)amino]ethyl]octadecanamide/N,N-Ethane-1,2-diylbis(12-hydroxyoctadecanamide)<sup>(1)</sup></b><br>Regulation 1272/2008 Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning | ATP CLP00<br><1 %       |
| CAS: 96-29-7<br>EC: 202-496-6<br>Index: 616-014-00-0<br>REACH: 01-2119539477-28-XXXX        | <b>2-butanone oxime<sup>(1)</sup></b><br>Regulation 1272/2008 Acute Tox. 4: H312; Carc. 2: H351; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger  | ATP ATP15<br><1 %       |
| CAS: 136-52-7<br>EC: 205-250-6<br>Index: Non-applicable<br>REACH: 01-2119524678-29-XXXX     | <b>Cobalt bis(2-ethylhexanoate)<sup>(1)</sup></b><br>Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Repr. 1B: H360; Skin Sens. 1A: H317 - Danger  | Self-classified<br><1 % |
| CAS: 100-41-4<br>EC: 202-849-4<br>Index: 601-023-00-4<br>REACH: 01-2119489370-35-XXXX       | <b>Ethylbenzene<sup>(3)</sup></b><br>Regulation 1272/2008 Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger   | ATP ATP06<br><1 %       |

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

<sup>(2)</sup> Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2015/830

<sup>(3)</sup> 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:**

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

**By skin contact:**

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

**By eye contact:**

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

**By ingestion/aspiration:**

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

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

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

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

Non-applicable

**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media:**

- CONTINUED ON NEXT PAGE -



## SECTION 5: FIREFIGHTING MEASURES (continued)

### Suitable extinguishing media:

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

### Unsuitable extinguishing media:

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

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

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

### 5.3 Advice for firefighters:

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

### Additional provisions:

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

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures:

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.

### 6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

### 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

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Avoid splashes and pulverizations. 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:

- CONTINUED ON NEXT PAGE -



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

A.- Technical measures for storage

Minimum Temp.: 5 °C  
 Maximum Temp.: 30 °C  
 Maximum time: 120 Months

B.- General conditions for storage

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

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

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

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

**8.1 Control parameters:**

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

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

| Identification   | Occupational exposure limits |         |                        |
|--|------------------------------|---------|------------------------|
|  | IOELV (8h)                   | 50 ppm  | 241 mg/m <sup>3</sup>  |
| N-butyl acetate<br>CAS: 123-86-4 EC: 204-658-1                 | IOELV (STEL)                 | 150 ppm | 723 mg/m <sup>3</sup>  |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6 EC: 203-603-9 | IOELV (8h)                   | 50 ppm  | 275 mg/m <sup>3</sup>  |
|  | IOELV (STEL)                 | 100 ppm | 550 mg/m <sup>3</sup>  |
| Ethylbenzene<br>CAS: 100-41-4 EC: 202-849-4                    | IOELV (8h)                   | 100 ppm | 442 mg/m <sup>3</sup>  |
|  | IOELV (STEL)                 | 200 ppm | 884 mg/m <sup>3</sup>  |
| Xylene<br>CAS: 1330-20-7 EC: 215-535-7                         | IOELV (8h)                   | 50 ppm  | 221 mg/m <sup>3</sup>  |
|  | IOELV (STEL)                 | 100 ppm | 442 mg/m <sup>3</sup>  |
| Ethyl acetate<br>CAS: 141-78-6 EC: 205-500-4                   | IOELV (8h)                   | 200 ppm | 734 mg/m <sup>3</sup>  |
|  | IOELV (STEL)                 | 400 ppm | 1468 mg/m <sup>3</sup> |

**DNEL (Workers):**

| Identification  |            | Short exposure         |                        | Long exposure           |                        |
|---|------------|------------------------|------------------------|-------------------------|------------------------|
|   |            | Systemic               | Local                  | Systemic                | Local                  |
| Ethyl acetate<br>CAS: 141-78-6<br>EC: 205-500-4   | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable         |
|   | Dermal     | Non-applicable         | Non-applicable         | 63 mg/kg                | Non-applicable         |
|   | Inhalation | 1468 mg/m <sup>3</sup> | 1468 mg/m <sup>3</sup> | 734 mg/m <sup>3</sup>   | 734 mg/m <sup>3</sup>  |
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Non-applicable<br>EC: 905-562-9 | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable         |
|   | Dermal     | Non-applicable         | Non-applicable         | 212 mg/kg               | Non-applicable         |
|   | Inhalation | 442 mg/m <sup>3</sup>  | 442 mg/m <sup>3</sup>  | 221 mg/m <sup>3</sup>   | 221 mg/m <sup>3</sup>  |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9                               | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable         |
|   | Dermal     | Non-applicable         | Non-applicable         | 796 mg/kg               | Non-applicable         |
|   | Inhalation | Non-applicable         | 550 mg/m <sup>3</sup>  | 275 mg/m <sup>3</sup>   | Non-applicable         |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1   | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable         |
|   | Dermal     | 11 mg/kg               | Non-applicable         | 11 mg/kg                | Non-applicable         |
|   | Inhalation | 600 mg/m <sup>3</sup>  | 600 mg/m <sup>3</sup>  | 300 mg/m <sup>3</sup>   | 300 mg/m <sup>3</sup>  |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable         |
|   | Dermal     | Non-applicable         | Non-applicable         | 212 mg/kg               | Non-applicable         |
|   | Inhalation | 442 mg/m <sup>3</sup>  | 442 mg/m <sup>3</sup>  | 221 mg/m <sup>3</sup>   | 221 mg/m <sup>3</sup>  |
| 2-ethylhexanoic acid, zirconium salt<br>CAS: 22464-99-9<br>EC: 245-018-1                        | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable         |
|   | Dermal     | Non-applicable         | Non-applicable         | 6,49 mg/kg              | Non-applicable         |
|   | Inhalation | Non-applicable         | Non-applicable         | 32,97 mg/m <sup>3</sup> | Non-applicable         |
| 2-butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6   | Oral       | Non-applicable         | Non-applicable         | Non-applicable          | Non-applicable         |
|   | Dermal     | 2,5 mg/kg              | Non-applicable         | 1,3 mg/kg               | Non-applicable         |
|   | Inhalation | Non-applicable         | Non-applicable         | 9 mg/m <sup>3</sup>     | 3,33 mg/m <sup>3</sup> |

- CONTINUED ON NEXT PAGE -



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

| Identification   |            | Short exposure |                       | Long exposure        |                          |
|--|------------|----------------|-----------------------|----------------------|--------------------------|
|  |            | Systemic       | Local                 | Systemic             | Local                    |
| Cobalt bis(2-ethylhexanoate)<br>CAS: 136-52-7<br>EC: 205-250-6 | Oral       | Non-applicable | Non-applicable        | Non-applicable       | Non-applicable           |
|  | Dermal     | Non-applicable | Non-applicable        | Non-applicable       | Non-applicable           |
|  | Inhalation | Non-applicable | Non-applicable        | Non-applicable       | 0,2351 mg/m <sup>3</sup> |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                 | Oral       | Non-applicable | Non-applicable        | Non-applicable       | Non-applicable           |
|  | Dermal     | Non-applicable | Non-applicable        | 180 mg/kg            | Non-applicable           |
|  | Inhalation | Non-applicable | 293 mg/m <sup>3</sup> | 77 mg/m <sup>3</sup> | Non-applicable           |

**DNEL (General population):**

| Identification  |            | Short exposure        |                       | Long exposure          |                         |
|---|------------|-----------------------|-----------------------|------------------------|-------------------------|
|   |            | Systemic              | Local                 | Systemic               | Local                   |
| Ethyl acetate<br>CAS: 141-78-6<br>EC: 205-500-4   | Oral       | Non-applicable        | Non-applicable        | 4,5 mg/kg              | Non-applicable          |
|   | Dermal     | Non-applicable        | Non-applicable        | 37 mg/kg               | Non-applicable          |
|   | Inhalation | 734 mg/m <sup>3</sup> | 734 mg/m <sup>3</sup> | 367 mg/m <sup>3</sup>  | 367 mg/m <sup>3</sup>   |
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Non-applicable<br>EC: 905-562-9 | Oral       | Non-applicable        | Non-applicable        | 12,5 mg/kg             | Non-applicable          |
|   | Dermal     | Non-applicable        | Non-applicable        | 125 mg/kg              | Non-applicable          |
|   | Inhalation | 260 mg/m <sup>3</sup> | 260 mg/m <sup>3</sup> | 65,3 mg/m <sup>3</sup> | 65,3 mg/m <sup>3</sup>  |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9                               | Oral       | 500 mg/kg             | Non-applicable        | 36 mg/kg               | Non-applicable          |
|   | Dermal     | Non-applicable        | Non-applicable        | 320 mg/kg              | Non-applicable          |
|   | Inhalation | Non-applicable        | Non-applicable        | 33 mg/m <sup>3</sup>   | 33 mg/m <sup>3</sup>    |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1   | Oral       | 2 mg/kg               | Non-applicable        | 2 mg/kg                | Non-applicable          |
|   | Dermal     | 6 mg/kg               | Non-applicable        | 6 mg/kg                | Non-applicable          |
|   | Inhalation | 300 mg/m <sup>3</sup> | 300 mg/m <sup>3</sup> | 35,7 mg/m <sup>3</sup> | 35,7 mg/m <sup>3</sup>  |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | Oral       | Non-applicable        | Non-applicable        | 12,5 mg/kg             | Non-applicable          |
|   | Dermal     | Non-applicable        | Non-applicable        | 125 mg/kg              | Non-applicable          |
|   | Inhalation | 260 mg/m <sup>3</sup> | 260 mg/m <sup>3</sup> | 65,3 mg/m <sup>3</sup> | 65,3 mg/m <sup>3</sup>  |
| 2-ethylhexanoic acid, zirconium salt<br>CAS: 22464-99-9<br>EC: 245-018-1                        | Oral       | Non-applicable        | Non-applicable        | 4,51 mg/kg             | Non-applicable          |
|   | Dermal     | Non-applicable        | Non-applicable        | 3,25 mg/kg             | Non-applicable          |
|   | Inhalation | Non-applicable        | Non-applicable        | 8,13 mg/m <sup>3</sup> | Non-applicable          |
| 2-butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6   | Oral       | Non-applicable        | Non-applicable        | Non-applicable         | Non-applicable          |
|   | Dermal     | 1,5 mg/kg             | Non-applicable        | 0,78 mg/kg             | Non-applicable          |
|   | Inhalation | Non-applicable        | Non-applicable        | 2,7 mg/m <sup>3</sup>  | 2 mg/m <sup>3</sup>     |
| Cobalt bis(2-ethylhexanoate)<br>CAS: 136-52-7<br>EC: 205-250-6                                  | Oral       | Non-applicable        | Non-applicable        | 0,175 mg/kg            | Non-applicable          |
|   | Dermal     | Non-applicable        | Non-applicable        | Non-applicable         | Non-applicable          |
|   | Inhalation | Non-applicable        | Non-applicable        | Non-applicable         | 0,037 mg/m <sup>3</sup> |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4  | Oral       | Non-applicable        | Non-applicable        | 1,6 mg/kg              | Non-applicable          |
|   | Dermal     | Non-applicable        | Non-applicable        | Non-applicable         | Non-applicable          |
|   | Inhalation | Non-applicable        | Non-applicable        | 15 mg/m <sup>3</sup>   | Non-applicable          |

**PNEC:**

| Identification  |              |                |                         |             |
|---|--------------|----------------|-------------------------|-------------|
| Ethyl acetate<br>CAS: 141-78-6<br>EC: 205-500-4   | STP          | 650 mg/L       | Fresh water             | 0,24 mg/L   |
|   | Soil         | 0,148 mg/kg    | Marine water            | 0,024 mg/L  |
|   | Intermittent | 1,65 mg/L      | Sediment (Fresh water)  | 1,15 mg/kg  |
|   | Oral         | 0,2 g/kg       | Sediment (Marine water) | 0,115 mg/kg |
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Non-applicable<br>EC: 905-562-9 | STP          | 6,58 mg/L      | Fresh water             | 0,327 mg/L  |
|   | Soil         | 2,31 mg/kg     | Marine water            | 0,327 mg/L  |
|   | Intermittent | 0,327 mg/L     | Sediment (Fresh water)  | 12,46 mg/kg |
|   | Oral         | Non-applicable | Sediment (Marine water) | 12,46 mg/kg |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9                               | STP          | 100 mg/L       | Fresh water             | 0,635 mg/L  |
|   | Soil         | 0,29 mg/kg     | Marine water            | 0,064 mg/L  |
|   | Intermittent | 6,35 mg/L      | Sediment (Fresh water)  | 3,29 mg/kg  |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,329 mg/kg |

- CONTINUED ON NEXT PAGE -



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

| Identification   |              |                |                         |                |
|--|--------------|----------------|-------------------------|----------------|
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1              | STP          | 35,6 mg/L      | Fresh water             | 0,18 mg/L      |
|  | Soil         | 0,09 mg/kg     | Marine water            | 0,018 mg/L     |
|  | Intermittent | 0,36 mg/L      | Sediment (Fresh water)  | 0,981 mg/kg    |
|  | Oral         | Non-applicable | Sediment (Marine water) | 0,098 mg/kg    |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7                      | STP          | 6,58 mg/L      | Fresh water             | 0,327 mg/L     |
|  | Soil         | 2,31 mg/kg     | Marine water            | 0,327 mg/L     |
|  | Intermittent | 0,327 mg/L     | Sediment (Fresh water)  | 12,46 mg/kg    |
|  | Oral         | Non-applicable | Sediment (Marine water) | 12,46 mg/kg    |
| 2-butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6              | STP          | 177 mg/L       | Fresh water             | 0,256 mg/L     |
|  | Soil         | Non-applicable | Marine water            | Non-applicable |
|  | Intermittent | 0,118 mg/L     | Sediment (Fresh water)  | Non-applicable |
|  | Oral         | Non-applicable | Sediment (Marine water) | Non-applicable |
| Cobalt bis(2-ethylhexanoate)<br>CAS: 136-52-7<br>EC: 205-250-6 | STP          | 0,37 mg/L      | Fresh water             | 0,00062 mg/L   |
|  | Soil         | 10,9 mg/kg     | Marine water            | 0,00236 mg/L   |
|  | Intermittent | Non-applicable | Sediment (Fresh water)  | 53,8 mg/kg     |
|  | Oral         | Non-applicable | Sediment (Marine water) | 69,8 mg/kg     |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                 | STP          | 9,6 mg/L       | Fresh water             | 0,1 mg/L       |
|  | Soil         | 2,68 mg/kg     | Marine water            | 0,01 mg/L      |
|  | Intermittent | 0,1 mg/L       | Sediment (Fresh water)  | 13,7 mg/kg     |
|  | Oral         | 0,02 g/kg      | Sediment (Marine water) | 1,37 mg/kg     |



**8.2 Exposure controls:**

A.- General security and hygiene measures in the work place



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

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

B.- Respiratory protection



| Pictogram   | PPE  | Labelling   | CEN Standard                               | Remarks   |
|---|--|---|--|---|
| <br>Mandatory respiratory tract protection | Filter mask for gases, vapours and particles |  | EN 149:2001+A1:2009<br>EN 405:2002+A1:2010 | Replace when an increase in resistance 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  |
|--|---|---|---|--|
| <br>Mandatory hand protection | NON-disposable chemical protective gloves |  | 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





| Pictogram  | PPE         | Labelling   | CEN Standard  | Remarks   |
|--|-------------|---|---|---|
| <br>Mandatory face protection | Face shield |  | 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   |
|---|---|---|---|---|
| <br>Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties |  | 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. |
| <br>Mandatory foot protection          | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties |  | 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                                      |
|---|---|--|--|
| <br>Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 | <br>Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

**Environmental exposure controls:**

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

**Volatile organic compounds:**

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

|                           |                                       |
|---------------------------|---------------------------------------|
| V.O.C. (Supply):          | 62,31 % weight                        |
| V.O.C. density at 20 °C:  | 578,24 kg/m <sup>3</sup> (578,24 g/L) |
| Average carbon number:    | 5,95                                  |
| Average molecular weight: | 98,29 g/mol                           |

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

For complete information see the product datasheet.

**Appearance:**

|                          |                                |
|--------------------------|--------------------------------|
| Physical state at 20 °C: | Aerosol                        |
| Appearance:              | Not available                  |
| Colour:                  | <input type="checkbox"/> White |
| Odour:                   | Not available                  |
| Odour threshold:         | Non-applicable *               |

**Volatility:**

|  |                      |
|--|----------------------|
| Boiling point at atmospheric pressure: | -1 °C (Propellant)   |
| Vapour pressure at 20 °C:              | Non-applicable *     |
| Vapour pressure at 50 °C:              | <300000 Pa (300 kPa) |
| Evaporation rate at 20 °C:             | Non-applicable *     |

**Product description:**

|                               |                       |
|-------------------------------|-----------------------|
| Density at 20 °C:             | 928 kg/m <sup>3</sup> |
| Relative density at 20 °C:    | Non-applicable *      |
| Dynamic viscosity at 20 °C:   | Non-applicable *      |
| Kinematic viscosity at 20 °C: | Non-applicable *      |

\*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)

|  |                     |
|--|---------------------|
| Kinematic viscosity at 40 °C:                | Non-applicable *    |
| Concentration:                               | Non-applicable *    |
| pH:  | Non-applicable *    |
| Vapour density at 20 °C:                     | Non-applicable *    |
| Partition coefficient n-octanol/water 20 °C: | Non-applicable *    |
| Solubility in water at 20 °C:                |                     |
| Solubility properties:                       | Non-applicable *    |
| Decomposition temperature:                   | Non-applicable *    |
| Melting point/freezing point:                | Non-applicable *    |
| Recipient pressure:                          | Non-applicable *    |
| Explosive properties:                        | Non-applicable *    |
| Oxidising properties:                        | Non-applicable *    |
| <b>Flammability:</b>                         |                     |
| Flash Point:                                 | -60 °C (Propellant) |
| Heat of combustion:                          | Non-applicable *    |
| Flammability (solid, gas):                   | Non-applicable *    |
| Autoignition temperature:                    | 365 °C (Propellant) |
| Lower flammability limit:                    | Non-applicable *    |
| Upper flammability limit:                    | Non-applicable *    |
| <b>Explosive:</b>                            |                     |
| Lower explosive limit:                       | Non-applicable *    |
| Upper explosive limit:                       | Non-applicable *    |
| <b>9.2 Other information:</b>                |                     |
| Surface tension at 20 °C:                    | Non-applicable *    |
| Refraction index:                            | Non-applicable *    |

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

## 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:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight            | Humidity       |
|--------------------|------------------|-------------------------|---------------------|----------------|
| Not applicable     | Not applicable   | Risk of combustion      | Avoid direct impact | Not applicable |

### 10.5 Incompatible materials:

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

### 10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

- CONTINUED ON NEXT PAGE -



## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

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, as it does not contain substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

#### B- Inhalation (acute effect):

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

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

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

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

- Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.  
IARC: propan-2-ol (3); ethanol (1); Reaction mass of ethylbenzene and m-xylene and p-xylene (3); Titanium dioxide (aerodynamic diameter  $\leq 10 \mu\text{m}$ ) (2B); Ethylbenzene (2B); Xylene (3); Cobalt bis(2-ethylhexanoate) (2B); Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% 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, as it does not contain 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:

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: Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

#### H- Aspiration hazard:

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:

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

#### Specific toxicology information on the substances:

| Identification | Acute toxicity  |                | Genus |
|----------------|-----------------|----------------|-------|
|                | LD50 oral       | LD50 dermal    |       |
| Butane         | >2000 mg/kg     | >2000 mg/kg    | Rat   |
| CAS: 106-97-8  | >2000 mg/kg     |                |       |
| EC: 203-448-7  | LC50 inhalation | 658 mg/L (4 h) |       |

- CONTINUED ON NEXT PAGE -



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

| Identification   | Acute toxicity  |                      | Genus  |
|--|-----------------|----------------------|--------|
|  | LD50 oral       | LD50 dermal          |        |
| Propane<br>CAS: 74-98-6<br>EC: 200-827-9   | LD50 oral       | >2000 mg/kg          |        |
|  | LD50 dermal     | >2000 mg/kg          |        |
|  | LC50 inhalation | >5 mg/L (4 h)        |        |
| Isobutane<br>CAS: 75-28-5<br>EC: 200-857-2   | LD50 oral       | >2000 mg/kg          |        |
|  | LD50 dermal     | >2000 mg/kg          |        |
|  | LC50 inhalation | >5 mg/L (4 h)        |        |
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Non-applicable<br>EC: 905-562-9  | LD50 oral       | 5627 mg/kg           | Mouse  |
|  | LD50 dermal     | 1100 mg/kg           | Rat    |
|  | LC50 inhalation | 11 mg/L (4 h) (ATEi) |        |
| Titanium dioxide (aerodynamic diameter ≤ 10 µm)<br>CAS: 13463-67-7<br>EC: 236-675-5  | LD50 oral       | 10000 mg/kg          | Rat    |
|  | LD50 dermal     | 10000 mg/kg          | Rabbit |
|  | LC50 inhalation | >5 mg/L (4 h)        |        |
| Ethyl acetate<br>CAS: 141-78-6<br>EC: 205-500-4  | LD50 oral       | 4100 mg/kg           | Rat    |
|  | LD50 dermal     | 20000 mg/kg          | Rabbit |
|  | LC50 inhalation | >20 mg/L (4 h)       |        |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9  | LD50 oral       | 8532 mg/kg           | Rat    |
|  | LD50 dermal     | 5100 mg/kg           | Rat    |
|  | LC50 inhalation | 30 mg/L (4 h)        | Rat    |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1  | LD50 oral       | 12789 mg/kg          | Rat    |
|  | LD50 dermal     | 14112 mg/kg          | Rabbit |
|  | LC50 inhalation | 23,4 mg/L (4 h)      | Rat    |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7  | LD50 oral       | 2100 mg/kg           | Rat    |
|  | LD50 dermal     | 1100 mg/kg           | Rat    |
|  | LC50 inhalation | >20 mg/L             |        |
| 2-ethylhexanoic acid, zirconium salt<br>CAS: 22464-99-9<br>EC: 245-018-1   | LD50 oral       | 2043 mg/kg           | Rat    |
|  | LD50 dermal     | >2000 mg/kg          |        |
|  | LC50 inhalation | >5 mg/L              |        |
| Reaction mass of: N,N-Ethane-1,2-diylbis(decanamide)/12-Hydroxy-N-[2-[1-oxydecyl]amino]ethyl]octadecanamide/N,N-Ethane-1,2-diylbis(12-hydroxyoctadecanamide)<br>CAS: Non-applicable<br>EC: 430-050-2 | LD50 oral       | 5100 mg/kg           | Rat    |
|  | LD50 dermal     | >2000 mg/kg          |        |
|  | LC50 inhalation | >5 mg/L              |        |
| 2-butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6  | LD50 oral       | 100 mg/kg            |        |
|  | LD50 dermal     | 1100 mg/kg           |        |
|  | LC50 inhalation | >20 mg/L             |        |
| Cobalt bis(2-ethylhexanoate)<br>CAS: 136-52-7<br>EC: 205-250-6   | LD50 oral       | >2000 mg/kg          |        |
|  | LD50 dermal     | >2000 mg/kg          |        |
|  | LC50 inhalation | >5 mg/L              |        |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4   | LD50 oral       | 3500 mg/kg           | Rat    |
|  | LD50 dermal     | 15354 mg/kg          | Rabbit |
|  | LC50 inhalation | 17,2 mg/L (4 h)      | Rat    |

**SECTION 12: ECOLOGICAL INFORMATION**

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

**12.1 Toxicity:**

| Identification  | Acute toxicity |                  | Species                 | Genus      |
|---|----------------|------------------|-------------------------|------------|
|   | LC50           | EC50             |                         |            |
| Ethyl acetate<br>CAS: 141-78-6<br>EC: 205-500-4   | LC50           | 230 mg/L (96 h)  | Pimephales promelas     | Fish       |
|   | EC50           | 717 mg/L (48 h)  | Daphnia magna           | Crustacean |
|   | EC50           | 3300 mg/L (48 h) | Scenedesmus subspicatus | Algae      |
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Non-applicable<br>EC: 905-562-9 | LC50           | 13.5 mg/L (96 h) | Oncorhynchus mykiss     | Fish       |
|   | EC50           | 0.6 mg/L (96 h)  | Gammarus lacustris      | Crustacean |
|   | EC50           | 10 mg/L (72 h)   | Skeletonema costatum    | Algae      |

- CONTINUED ON NEXT PAGE -



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

| Identification   | Acute toxicity |                      | Species                 | Genus      |
|--|----------------|----------------------|-------------------------|------------|
|  | LC50           | EC50                 |                         |            |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9  | LC50           | 161 mg/L (96 h)      | Pimephales promelas     | Fish       |
|  | EC50           | 481 mg/L (48 h)      | Daphnia sp.             | Crustacean |
|  | EC50           | Non-applicable       |                         |            |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1  | LC50           | 62 mg/L (96 h)       | Leuciscus idus          | Fish       |
|  | EC50           | 73 mg/L (24 h)       | Daphnia magna           | Crustacean |
|  | EC50           | 675 mg/L (72 h)      | Scenedesmus subspicatus | Algae      |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7  | LC50           | 13.5 mg/L (96 h)     | Oncorhynchus mykiss     | Fish       |
|  | EC50           | 3.4 mg/L (48 h)      | Ceriodaphnia dubia      | Crustacean |
|  | EC50           | 10 mg/L (72 h)       | Skeletonema costatum    | Algae      |
| 2-ethylhexanoic acid, zirconium salt<br>CAS: 22464-99-9<br>EC: 245-018-1   | LC50           | 270 mg/L (96 h)      | N/A                     | Fish       |
|  | EC50           | Non-applicable       |                         |            |
|  | EC50           | Non-applicable       |                         |            |
| Reaction mass of: N,N-Ethane-1,2-diylbis(decanamide)/12-Hydroxy-N-[2-[1-oxydecyl]amino]ethyl]octadecanamide/N,N-Ethane-1,2-diylbis(12-hydroxyoctadecanamide)<br>CAS: Non-applicable<br>EC: 430-050-2 | LC50           | >1 - 10 mg/L (96 h)  |                         | Fish       |
|  | EC50           | >1 - 10 mg/L (48 h)  |                         | Crustacean |
|  | EC50           | >1 - 10 mg/L (72 h)  |                         | Algae      |
| Cobalt bis(2-ethylhexanoate)<br>CAS: 136-52-7<br>EC: 205-250-6   | LC50           | >0.1 - 1 mg/L (96 h) |                         | Fish       |
|  | EC50           | >0.1 - 1 mg/L (48 h) |                         | Crustacean |
|  | EC50           | >0.1 - 1 mg/L (72 h) |                         | Algae      |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4   | LC50           | 42.3 mg/L (96 h)     | Pimephales promelas     | Fish       |
|  | EC50           | 75 mg/L (48 h)       | Daphnia magna           | Crustacean |
|  | EC50           | 63 mg/L (3 h)        | Chlorella vulgaris      | Algae      |

**12.2 Persistence and degradability:**

| Identification   | Degradability |                | Biodegradability |                |
|--|---------------|----------------|------------------|----------------|
|  | BOD5          | COD            | Concentration    | Period         |
| Ethyl acetate<br>CAS: 141-78-6<br>EC: 205-500-4                          | BOD5          | 1,36 g O2/g    | Concentration    | 100 mg/L       |
|  | COD           | 1,69 g O2/g    | Period           | 14 days        |
|  | BOD5/COD      | 0,8            | % Biodegradable  | 83 %           |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9        | BOD5          | Non-applicable | Concentration    | 785 mg/L       |
|  | COD           | Non-applicable | Period           | 8 days         |
|  | BOD5/COD      | Non-applicable | % Biodegradable  | 100 %          |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1                        | BOD5          | Non-applicable | Concentration    | Non-applicable |
|  | COD           | Non-applicable | Period           | 5 days         |
|  | BOD5/COD      | Non-applicable | % Biodegradable  | 84 %           |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7                                | BOD5          | Non-applicable | Concentration    | Non-applicable |
|  | COD           | Non-applicable | Period           | 28 days        |
|  | BOD5/COD      | Non-applicable | % Biodegradable  | 88 %           |
| 2-ethylhexanoic acid, zirconium salt<br>CAS: 22464-99-9<br>EC: 245-018-1 | BOD5          | Non-applicable | Concentration    | 20 mg/L        |
|  | COD           | Non-applicable | Period           | 28 days        |
|  | BOD5/COD      | Non-applicable | % Biodegradable  | 99 %           |
| 2-butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6                        | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
|  | COD           | Non-applicable | Period           | 28 days        |
|  | BOD5/COD      | Non-applicable | % Biodegradable  | 24 %           |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                           | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
|  | COD           | Non-applicable | Period           | 14 days        |
|  | BOD5/COD      | Non-applicable | % Biodegradable  | 90 %           |

**12.3 Bioaccumulative potential:**

| Identification                                  | Bioaccumulation potential |          |
|---|---------------------------|----------|
|   | BCF                       | Pow Log  |
| Ethyl acetate<br>CAS: 141-78-6<br>EC: 205-500-4 | BCF                       | 30       |
|   | Pow Log                   | 0.73     |
|   | Potential                 | Moderate |

- CONTINUED ON NEXT PAGE -



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

| Identification  | Bioaccumulation potential |          |
|---|---------------------------|----------|
|   | BCF                       | Pow Log  |
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Non-applicable<br>EC: 905-562-9 | 9                         | 2.77     |
|   | Potential                 | Low      |
| Butane<br>CAS: 106-97-8<br>EC: 203-448-7  | 33                        | 2.89     |
|   | Potential                 | Moderate |
| Propane<br>CAS: 74-98-6<br>EC: 200-827-9  | 13                        | 2.86     |
|   | Potential                 | Low      |
| Isobutane<br>CAS: 75-28-5<br>EC: 200-857-2  | 27                        | 2.76     |
|   | Potential                 | Low      |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9                               | 1                         | 0.43     |
|   | Potential                 | Low      |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1   | 4                         | 1.78     |
|   | Potential                 | Low      |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | 9                         | 2.77     |
|   | Potential                 | Low      |
| 2-ethylhexanoic acid, zirconium salt<br>CAS: 22464-99-9<br>EC: 245-018-1                        |                           | 2.96     |
|   | Potential                 |          |
| 2-butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6   | 5                         | 0.59     |
|   | Potential                 | Low      |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4  | 1                         | 3.15     |
|   | Potential                 | Low      |

**12.4 Mobility in soil:**

| Identification                                    | Absorption/desorption |                      | Volatility |                                  |
|---|-----------------------|----------------------|------------|----------------------------------|
|   | Koc                   | Conclusion           | Henry      | Conclusion                       |
| Ethyl acetate<br>CAS: 141-78-6<br>EC: 205-500-4   | 59                    | Very High            | Dry soil   | Yes                              |
|   | Surface tension       | 2,324E-2 N/m (25 °C) | Moist soil | Yes                              |
|   | Henry                 |                      |            | 13,58 Pa·m <sup>3</sup> /mol     |
| Butane<br>CAS: 106-97-8<br>EC: 203-448-7          | 900                   | Low                  | Dry soil   | Yes                              |
|   | Surface tension       | 1,187E-2 N/m (25 °C) | Moist soil | Yes                              |
|   | Henry                 |                      |            | 96258,75 Pa·m <sup>3</sup> /mol  |
| Propane<br>CAS: 74-98-6<br>EC: 200-827-9          | 460                   | Moderate             | Dry soil   | Yes                              |
|   | Surface tension       | 7,02E-3 N/m (25 °C)  | Moist soil | Yes                              |
|   | Henry                 |                      |            | 71636,78 Pa·m <sup>3</sup> /mol  |
| Isobutane<br>CAS: 75-28-5<br>EC: 200-857-2        | 35                    | Very High            | Dry soil   | Yes                              |
|   | Surface tension       | 9,84E-3 N/m (25 °C)  | Moist soil | Yes                              |
|   | Henry                 |                      |            | 120576,75 Pa·m <sup>3</sup> /mol |
| N-butyl acetate<br>CAS: 123-86-4<br>EC: 204-658-1 | Non-applicable        | Non-applicable       | Dry soil   | Non-applicable                   |
|   | Surface tension       | 2,478E-2 N/m (25 °C) | Moist soil | Non-applicable                   |
|   | Henry                 |                      |            | Non-applicable                   |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7         | 202                   | Moderate             | Dry soil   | Yes                              |
|   | Surface tension       | Non-applicable       | Moist soil | Yes                              |
|   | Henry                 |                      |            | 524,86 Pa·m <sup>3</sup> /mol    |

- CONTINUED ON NEXT PAGE -



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

| Identification   | Absorption/desorption |                      | Volatility |                                |
|--|-----------------------|----------------------|------------|--------------------------------|
|  | Koc                   | Non-applicable       | Henry      | 2,94E-1 Pa·m <sup>3</sup> /mol |
| 2-ethylhexanoic acid, zirconium salt<br>CAS: 22464-99-9<br>EC: 245-018-1 | Conclusion            | Non-applicable       | Dry soil   | Yes                            |
|  | Surface tension       | Non-applicable       | Moist soil | Yes                            |
| 2-butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6                        | Koc                   | 3                    | Henry      | Non-applicable                 |
|  | Conclusion            | Very High            | Dry soil   | Non-applicable                 |
|  | Surface tension       | 2,57E-2 N/m (25 °C)  | Moist soil | Non-applicable                 |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                           | Koc                   | 520                  | Henry      | 798,44 Pa·m <sup>3</sup> /mol  |
|  | Conclusion            | Moderate             | Dry soil   | Yes                            |
|  | Surface tension       | 2,859E-2 N/m (25 °C) | Moist soil | Yes                            |

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

Product contains PBT/vPvB substances: Decametilciclopentasiloxano, Octametilciclotetrasiloxano

**12.6 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

| Code      | Description   | Waste class (Regulation (EU) No 1357/2014) |
|-----------|---|--|
| 16 05 04* | gases in pressure containers (including halons) containing hazardous substances | Dangerous                                  |

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

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity, HP4 Irritant — skin irritation and eye damage

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

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



- 14.1 UN number:** UN1950
- 14.2 UN proper shipping name:** AEROSOLS, flammable
- 14.3 Transport hazard class(es):** 2
- Labels:** 2.1
- 14.4 Packing group:** N/A
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**
  - Special regulations: 190, 327, 344, 625
  - Tunnel restriction code: D
  - Physico-Chemical properties: see section 9
  - Limited quantities: 1 L
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by sea:**

- CONTINUED ON NEXT PAGE -



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

With regard to IMDG 39-18:



- 14.1 UN number:** UN1950
- 14.2 UN proper shipping name:** AEROSOLS, flammable
- 14.3 Transport hazard class(es):** 2  
Labels: 2.1
- 14.4 Packing group:** N/A
- 14.5 Marine pollutant:** No
- 14.6 Special precautions for user**  
Special regulations: 63, 959, 190, 277, 327, 344  
EmS Codes: F-D, S-U  
Physico-Chemical properties: see section 9  
Limited quantities: 1 L  
Segregation group: Non-applicable
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2021:



- 14.1 UN number:** UN1950
- 14.2 UN proper shipping name:** AEROSOLS, flammable
- 14.3 Transport hazard class(es):** 2  
Labels: 2.1
- 14.4 Packing group:** N/A
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**  
Physico-Chemical properties: see section 9
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** 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 ethanol.  
Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable  
Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable  
Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable  
Article 95, REGULATION (EU) No 528/2012: Non-applicable  
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 |
|---------|--------------------|-------------------------|-------------------------|
| P3a     | FLAMMABLE AEROSOLS | 150                     | 500                     |

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



## SECTION 15: REGULATORY INFORMATION (continued)

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 Decamethylcyclotetrasiloxane, Octamethylcyclotetrasiloxane. 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.'

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 (Regulation (EC) No 2015/830).

### 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.

H315: Causes skin irritation.

H373: May cause damage to organs through prolonged or repeated exposure.

H317: May cause an allergic skin reaction.

H229: Pressurised container: May burst if heated.

H222: Extremely flammable aerosol.

H319: Causes serious eye irritation.

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

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

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





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

Acute Tox. 4: H312 - Harmful in contact with skin.  
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.  
Acute Tox. 4: H332 - Harmful if inhaled.  
Aquatic Acute 1: H400 - Very toxic to aquatic life.  
Aquatic Chronic 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.  
Carc. 2: H351 - Suspected of causing cancer (Inhalation).  
Carc. 2: H351 - Suspected of causing cancer.  
Eye Dam. 1: H318 - Causes serious eye damage.  
Eye Irrit. 2: H319 - Causes serious eye irritation.  
Flam. Gas 1A: H220 - Extremely flammable gas.  
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.  
Flam. Liq. 3: H226 - Flammable liquid and vapour.  
Press. Gas: H280 - Contains gas under pressure, may explode if heated.  
Repr. 1B: H360 - May damage fertility or the unborn child.  
Repr. 2: H361d - Suspected of damaging the unborn child.  
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 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).  
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.  
STOT SE 3: H335 - May cause respiratory irritation.  
STOT SE 3: H336 - May cause drowsiness or dizziness.

**Classification procedure:**

STOT SE 3: Calculation method  
Skin Irrit. 2: Calculation method  
STOT RE 2: Calculation method  
Skin Sens. 1A: Calculation method  
Aerosol 1: Calculation method  
Aerosol 1: Calculation method  
Eye Irrit. 2: Calculation method

**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: 5-day biochemical oxygen demand  
BCF: Bioconcentration factor  
LD50: Lethal Dose 50  
LC50: Lethal Concentration 50  
EC50: Effective concentration 50  
Log-POW: Octanol-water partition coefficient  
Koc: Partition coefficient of organic carbon

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 -