


## DUCO BLACK

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

- 1.1 Product identifier:** DUCO BLACK (Product code:114760)
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: High performance coatings for wood, metal  
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:**  
Berling S.A.  
Thesi Agia Paraskevi  
32011 Inofyta Viotias - Greece  
Phone.: +302262031663 - Fax: +302262031293  
info@berling.gr  
www.berling.gr
- 1.4 Emergency telephone number:** +30 210 7793 777 (Greek Poison Info Center)

### SECTION 2: HAZARDS IDENTIFICATION \*\*

- 2.1 Classification of the substance or mixture:**  
This product contains less than 1% respirable crystalline silica, so it does not require classification  
**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 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411  
Flam. Liq. 3: Flammable liquids, Category 3, H226  
Skin Irrit. 2: Skin irritation, Category 2, H315  
STOT RE 1: Specific target organ toxicity, repeated exposure, Category 1, H372
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Danger**
- 
- Hazard statements:**  
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects  
Flam. Liq. 3: H226 - Flammable liquid and vapour  
Skin Irrit. 2: H315 - Causes skin irritation  
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure
- Precautionary statements:**  
P101: If medical advice is needed, have product container or label at hand  
P102: Keep out of reach of children  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P264: Wash thoroughly after handling  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P302+P352: IF ON SKIN: Wash with plenty of water  
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:**  
EUH208: Contains 2-butanone oxime, Cobalt bis(2-ethylhexanoate). May produce an allergic reaction
- Substances that contribute to the classification**  
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (CAS: 64742-82-1)
- 2.3 Other hazards:**  
Product contains PBT/vPvB substances: Octamethylcyclotetrasiloxane, Decamethylcyclopentasiloxane

\*\* Changes with regards to the previous version

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**DUCO BLACK**

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

**3.1 Substance:**

Non-applicable

**3.2 Mixture:**

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

**Components:**

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

| Identification  | Chemical name/Classification   | Concentration  |
|---|--|----------------|
| CAS: 1330-20-7<br>EC: 215-535-7<br>Index: 601-022-00-9<br>REACH: 01-2119488216-32-XXXX    | <b>Xylene<sup>(1)</sup></b> ATP CLP00<br>Regulation 1272/2008 Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning   | 9,9 - <19 %    |
| CAS: 64742-82-1<br>EC: 919-446-0<br>Index: Non-applicable<br>REACH: 01-2119458049-33-XXXX | <b>Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)<sup>(1)</sup></b> Self-classified<br>Regulation 1272/2008 Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT RE 1: H372; STOT SE 3: H336; EUH066 - Danger | 9,9 - <19 %    |
| 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>(2)</sup></b> ATP ATP01<br>Regulation 1272/2008 Flam. Liq. 3: H226 - Warning  | 2,4 - <4,9 %   |
| CAS: 7779-90-0<br>EC: 231-944-3<br>Index: Non-applicable<br>REACH: 01-2119485044-40-XXXX  | <b>trizinc bis(orthophosphate)<sup>(1)</sup></b> ATP CLP00<br>Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning  | 0,9 - <2,4 %   |
| CAS: 136-51-6<br>EC: 205-249-0<br>Index: Non-applicable<br>REACH: 01-2119978297-19-XXXX   | <b>calcium bis(2-ethylhexanoate)<sup>(1)</sup></b> Self-classified<br>Regulation 1272/2008 Eye Dam. 1: H318; Repr. 2: H361d - Danger   | 0,24 - <0,9 %  |
| 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> Self-classified<br>Regulation 1272/2008 Repr. 2: H361d - Warning   | 0,24 - <0,9 %  |
| 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> ATP CLP00<br>Regulation 1272/2008 Acute Tox. 4: H312; Carc. 2: H351; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger   | 0,24 - <0,9 %  |
| 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> Self-classified<br>Regulation 1272/2008 Acute Tox. 4: H302; Aquatic Chronic 1: H410; Repr. 2: H361f; Skin Sens. 1: H317 - Warning  | 0,09 - <0,24 % |
| CAS: 112-07-2<br>EC: 203-933-3<br>Index: 607-038-00-2<br>REACH: 01-2119475112-47-XXXX     | <b>2-butoxyethyl acetate<sup>(2)</sup></b> Self-classified<br>Regulation 1272/2008 Acute Tox. 4: H302+H312+H332 - Warning  | 0,09 - <0,24 % |
| CAS: 107-98-2<br>EC: 203-539-1<br>Index: 603-064-00-3<br>REACH: 01-2119457435-35-XXXX     | <b>1-methoxy-2-propanol<sup>(2)</sup></b> ATP ATP01<br>Regulation 1272/2008 Flam. Liq. 3: H226; STOT SE 3: H336 - Warning  | <0,09 %        |
| CAS: 100-41-4<br>EC: 202-849-4<br>Index: 601-023-00-4<br>REACH: 01-2119489370-35-XXXX     | <b>Ethylbenzene<sup>(2)</sup></b> ATP ATP06<br>Regulation 1272/2008 Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger  | <0,09 %        |
| CAS: 1330-20-7<br>EC: 215-535-7<br>Index: 601-022-00-9<br>REACH: 01-2119488216-32-XXXX    | <b>Xylene<sup>(2)</sup></b> Self-classified<br>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                                 | <0,09 %        |

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

<sup>(2)</sup> Substance with a Union workplace exposure limit

\*\* Changes with regards to the previous version

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## Safety data sheet

According to 1907/2006/EC (REACH), 2015/830/EU (THIS SDS IS JUST FOR INFORMATIVE PURPOSE. THE SDS SHALL BE SUPPLIED IN AN OFFICIAL LANGUAGE OF THE COUNTRY WHERE THE PRODUCT IS PLACED ON THE MARKET)

### DUCO BLACK

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

| Identification  | Chemical name/Classification  |           | Concentration     |
|---|---|-----------|-------------------|
| CAS: 112-34-5<br>EC: 203-961-6<br>Index: 603-096-00-8<br>REACH: 01-2119475104-44-XXXX | <b>2-(2-butoxyethoxy)ethanol<sup>(2)</sup></b>  | ATP CLP00 | <b>&lt;0,09 %</b> |
| Regulation 1272/2008  | Eye Irrit. 2: H319 - Warning  |           |                   |
| CAS: 108-88-3<br>EC: 203-625-9<br>Index: 601-021-00-3<br>REACH: 01-2119471310-51-XXXX | <b>Toluene<sup>(2)</sup></b>  | ATP CLP00 | <b>&lt;0,09 %</b> |
| Regulation 1272/2008  | Asp. Tox. 1: H304; Flam. Liq. 2: H225; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336 - 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> Substance with a Union workplace exposure limit

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

\*\* Changes with regards to the previous version

#### SECTION 4: FIRST AID MEASURES

##### 4.1 Description of first aid measures:

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

##### By inhalation:

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:

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

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## Safety data sheet

According to 1907/2006/EC (REACH), 2015/830/EU (THIS SDS IS JUST FOR INFORMATIVE PURPOSE. THE SDS SHALL BE SUPPLIED IN AN OFFICIAL LANGUAGE OF THE COUNTRY WHERE THE PRODUCT IS PLACED ON THE MARKET)

### DUCO BLACK

#### SECTION 5: FIREFIGHTING MEASURES (continued)

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 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.- Precautions for safe manipulation

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

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

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

###### C.- Technical recommendations to prevent ergonomic and toxicological risks

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

###### D.- Technical recommendations to prevent environmental risks

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 °C

Maximum Temp.: 35 °C

Maximum time: 0 Months

###### B.- General conditions for storage

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

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## DUCO BLACK

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

#### 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

| Identification   | Occupational exposure limits |         |                         |
|--|------------------------------|---------|-------------------------|
| 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>   |
| 2-butoxyethyl acetate<br>CAS: 112-07-2 EC: 203-933-3           | IOELV (8h)                   | 20 ppm  | 133 mg/m <sup>3</sup>   |
|  | IOELV (STEL)                 | 50 ppm  | 333 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>   |
| 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>   |
| 1-methoxy-2-propanol<br>CAS: 107-98-2 EC: 203-539-1            | IOELV (8h)                   | 100 ppm | 375 mg/m <sup>3</sup>   |
|  | IOELV (STEL)                 | 150 ppm | 563 mg/m <sup>3</sup>   |
| Toluene<br>CAS: 108-88-3 EC: 203-625-9                         | IOELV (8h)                   | 50 ppm  | 192 mg/m <sup>3</sup>   |
|  | IOELV (STEL)                 | 100 ppm | 384 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>   |
| 2-(2-butoxyethoxy)ethanol<br>CAS: 112-34-5 EC: 203-961-6       | IOELV (8h)                   | 10 ppm  | 67.5 mg/m <sup>3</sup>  |
|  | IOELV (STEL)                 | 15 ppm  | 101.2 mg/m <sup>3</sup> |

#### DNEL (Workers):

| Identification  |            | Short exposure        |                       | Long exposure           |                          |
|---|------------|-----------------------|-----------------------|-------------------------|--------------------------|
|   |            | Systemic              | Local                 | Systemic                | Local                    |
| 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>    |
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)<br>CAS: 64742-82-1<br>EC: 919-446-0 | Oral       | Non-applicable        | Non-applicable        | Non-applicable          | Non-applicable           |
|   | Dermal     | Non-applicable        | Non-applicable        | 21 mg/kg                | Non-applicable           |
|   | Inhalation | 570 mg/m <sup>3</sup> | Non-applicable        | 330 mg/m <sup>3</sup>   | Non-applicable           |
| trizinc bis(orthophosphate)<br>CAS: 7779-90-0<br>EC: 231-944-3  | Oral       | Non-applicable        | Non-applicable        | Non-applicable          | Non-applicable           |
|   | Dermal     | Non-applicable        | Non-applicable        | 83 mg/kg                | Non-applicable           |
|   | Inhalation | Non-applicable        | Non-applicable        | 5 mg/m <sup>3</sup>     | Non-applicable           |
| calcium bis(2-ethylhexanoate)<br>CAS: 136-51-6<br>EC: 205-249-0   | Oral       | Non-applicable        | Non-applicable        | Non-applicable          | Non-applicable           |
|   | Dermal     | Non-applicable        | Non-applicable        | 5,67 mg/kg              | Non-applicable           |
|   | Inhalation | Non-applicable        | Non-applicable        | 39,98 mg/m <sup>3</sup> | Non-applicable           |
| 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>   |
| 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> |

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**DUCCO BLACK**

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

| Identification  |            | Short exposure          |                         | Long exposure          |                        |
|---|------------|-------------------------|-------------------------|------------------------|------------------------|
|   |            | Systemic                | Local                   | Systemic               | Local                  |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3     | Oral       | Non-applicable          | Non-applicable          | Non-applicable         | Non-applicable         |
|   | Dermal     | 120 mg/kg               | Non-applicable          | 169 mg/kg              | Non-applicable         |
|   | Inhalation | Non-applicable          | 333 mg/m <sup>3</sup>   | 133 mg/m <sup>3</sup>  | Non-applicable         |
| 1-methoxy-2-propanol<br>CAS: 107-98-2<br>EC: 203-539-1      | Oral       | Non-applicable          | Non-applicable          | Non-applicable         | Non-applicable         |
|   | Dermal     | Non-applicable          | Non-applicable          | 183 mg/kg              | Non-applicable         |
|   | Inhalation | 553,5 mg/m <sup>3</sup> | 553,5 mg/m <sup>3</sup> | 369 mg/m <sup>3</sup>  | Non-applicable         |
| 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         |
| 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-(2-butoxyethoxy)ethanol<br>CAS: 112-34-5<br>EC: 203-961-6 | Oral       | Non-applicable          | Non-applicable          | Non-applicable         | Non-applicable         |
|   | Dermal     | Non-applicable          | Non-applicable          | 83 mg/kg               | Non-applicable         |
|   | Inhalation | Non-applicable          | 101,2 mg/m <sup>3</sup> | 67,5 mg/m <sup>3</sup> | 67,5 mg/m <sup>3</sup> |
| Toluene<br>CAS: 108-88-3<br>EC: 203-625-9                   | Oral       | Non-applicable          | Non-applicable          | Non-applicable         | Non-applicable         |
|   | Dermal     | Non-applicable          | Non-applicable          | 384 mg/kg              | Non-applicable         |
|   | Inhalation | 384 mg/m <sup>3</sup>   | 384 mg/m <sup>3</sup>   | 192 mg/m <sup>3</sup>  | 192 mg/m <sup>3</sup>  |

**DNEL (General population):**

| Identification  |            | Short exposure        |                       | Long exposure          |                         |
|---|------------|-----------------------|-----------------------|------------------------|-------------------------|
|   |            | Systemic              | Local                 | Systemic               | Local                   |
| 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>  |
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)<br>CAS: 64742-82-1<br>EC: 919-446-0 | Oral       | Non-applicable        | Non-applicable        | 21 mg/kg               | Non-applicable          |
|   | Dermal     | Non-applicable        | Non-applicable        | 12 mg/kg               | Non-applicable          |
|   | Inhalation | 570 mg/m <sup>3</sup> | Non-applicable        | 71 mg/m <sup>3</sup>   | Non-applicable          |
| trizinc bis(orthophosphate)<br>CAS: 7779-90-0<br>EC: 231-944-3  | Oral       | Non-applicable        | Non-applicable        | 0,83 mg/kg             | Non-applicable          |
|   | Dermal     | Non-applicable        | Non-applicable        | 83 mg/kg               | Non-applicable          |
|   | Inhalation | Non-applicable        | Non-applicable        | 2,5 mg/m <sup>3</sup>  | Non-applicable          |
| calcium bis(2-ethylhexanoate)<br>CAS: 136-51-6<br>EC: 205-249-0   | Oral       | Non-applicable        | Non-applicable        | 2,83 mg/kg             | Non-applicable          |
|   | Dermal     | Non-applicable        | Non-applicable        | 2,83 mg/kg             | Non-applicable          |
|   | Inhalation | Non-applicable        | Non-applicable        | 9,86 mg/m <sup>3</sup> | Non-applicable          |
| 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> |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3   | Oral       | 36 mg/kg              | Non-applicable        | 8,6 mg/kg              | Non-applicable          |
|   | Dermal     | 72 mg/kg              | Non-applicable        | 102 mg/kg              | Non-applicable          |
|   | Inhalation | Non-applicable        | 200 mg/m <sup>3</sup> | 80 mg/m <sup>3</sup>   | Non-applicable          |
| 1-methoxy-2-propanol<br>CAS: 107-98-2<br>EC: 203-539-1  | Oral       | Non-applicable        | Non-applicable        | 33 mg/kg               | Non-applicable          |
|   | Dermal     | Non-applicable        | Non-applicable        | 78 mg/kg               | Non-applicable          |
|   | Inhalation | Non-applicable        | Non-applicable        | 43,9 mg/m <sup>3</sup> | Non-applicable          |

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**DUCO BLACK**

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

| Identification  |            | Short exposure        |                        | Long exposure          |                        |
|---|------------|-----------------------|------------------------|------------------------|------------------------|
|   |            | Systemic              | Local                  | Systemic               | Local                  |
| 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         |
| 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-(2-butoxyethoxy)ethanol<br>CAS: 112-34-5<br>EC: 203-961-6 | Oral       | Non-applicable        | Non-applicable         | 5 mg/kg                | Non-applicable         |
|   | Dermal     | Non-applicable        | Non-applicable         | 50 mg/kg               | Non-applicable         |
|   | Inhalation | Non-applicable        | 60,7 mg/m <sup>3</sup> | 40,5 mg/m <sup>3</sup> | 40,5 mg/m <sup>3</sup> |
| Toluene<br>CAS: 108-88-3<br>EC: 203-625-9                   | Oral       | Non-applicable        | Non-applicable         | 8,13 mg/kg             | Non-applicable         |
|   | Dermal     | Non-applicable        | Non-applicable         | 226 mg/kg              | Non-applicable         |
|   | Inhalation | 226 mg/m <sup>3</sup> | 226 mg/m <sup>3</sup>  | 56,5 mg/m <sup>3</sup> | 56,5 mg/m <sup>3</sup> |

**PNEC:**

| Identification   |              |                |                         |                |  |
|--|--------------|----------------|-------------------------|----------------|--|
| 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    |  |
| trizinc bis(orthophosphate)<br>CAS: 7779-90-0<br>EC: 231-944-3 | STP          | 0,1 mg/L       | Fresh water             | 0,0206 mg/L    |  |
|  | Soil         | 35,6 mg/kg     | Marine water            | 0,0061 mg/L    |  |
|  | Intermittent | Non-applicable | Sediment (Fresh water)  | 117,8 mg/kg    |  |
|  | Oral         | Non-applicable | Sediment (Marine water) | 56,5 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     |  |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3        | STP          | 90 mg/L        | Fresh water             | 0,304 mg/L     |  |
|  | Soil         | 0,415 mg/kg    | Marine water            | 0,03 mg/L      |  |
|  | Intermittent | 0,56 mg/L      | Sediment (Fresh water)  | 2,03 mg/kg     |  |
|  | Oral         | 0,06 g/kg      | Sediment (Marine water) | 0,203 mg/kg    |  |
| 1-methoxy-2-propanol<br>CAS: 107-98-2<br>EC: 203-539-1         | STP          | 100 mg/L       | Fresh water             | 10 mg/L        |  |
|  | Soil         | 4,59 mg/kg     | Marine water            | 1 mg/L         |  |
|  | Intermittent | 100 mg/L       | Sediment (Fresh water)  | 52,3 mg/kg     |  |
|  | Oral         | Non-applicable | Sediment (Marine water) | 5,2 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     |  |
| 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-(2-butoxyethoxy)ethanol<br>CAS: 112-34-5<br>EC: 203-961-6    | STP          | 200 mg/L       | Fresh water             | 1,1 mg/L       |  |
|  | Soil         | 0,32 mg/kg     | Marine water            | 0,11 mg/L      |  |
|  | Intermittent | 11 mg/L        | Sediment (Fresh water)  | 4,4 mg/kg      |  |
|  | Oral         | 0,056 g/kg     | Sediment (Marine water) | 0,44 mg/kg     |  |

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



| Identification                            |              |                |                         |             |
|---|--------------|----------------|-------------------------|-------------|
| Toluene<br>CAS: 108-88-3<br>EC: 203-625-9 | STP          | 13,61 mg/L     | Fresh water             | 0,68 mg/L   |
|   | Soil         | 2,89 mg/kg     | Marine water            | 0,68 mg/L   |
|   | Intermittent | 0,68 mg/L      | Sediment (Fresh water)  | 16,39 mg/kg |
|   | Oral         | Non-applicable | Sediment (Marine water) | 16,39 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 and vapours |  | EN 405:2001+A1:2009 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |

**C.- Specific protection for the hands**





| Pictogram  | PPE                                       | Labelling   | CEN Standard  | Remarks  |
|--|---|---|---|--|
| <br>Mandatory hand protection | NON-disposable chemical protective gloves |  | EN ISO 374-1:2016<br>EN 16523-1:2015<br>EN 420:2003+A1:2009 | 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 predicted 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 166:2001<br>EN 167:2001<br>EN 168:2001<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

**E.- Body protection**



| Pictogram   | PPE   | Labelling   | CEN Standard  | Remarks   |
|---|---|---|---|---|
| <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 13287:2012<br>EN ISO 20345:2011<br>EN 13832-1:2019   | Replace boots at any sign of deterioration.   |

**F.- Additional emergency measures**

- CONTINUED ON NEXT PAGE -



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

| 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):          | Not available |
| V.O.C. density at 25 °C:  | Not available |
| Average carbon number:    | Not available |
| Average molecular weight: | Not available |

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


|                                      |                                 |
|--------------------------------------|---------------------------------|
| V.O.C. density at 25 °C:             | 500 kg/m <sup>3</sup> (500 g/L) |
| EU limit for the product (Cat. A.I): | 500 g/L (2010)                  |
| Components:                          | WHITE SPIRIT - 14 % v/v         |

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

For complete information see the product datasheet.

**Appearance:**

|                          |   |
|--------------------------|---|
| Physical state at 20 °C: | Liquid  |
| Appearance:              | Viscous   |
| Colour:                  |  Black |
| Odour:                   | Solvent   |
| Odour threshold:         | Non-applicable *  |

**Volatility:**

|  |                       |
|--|-----------------------|
| Boiling point at atmospheric pressure: | 142 °C                |
| Vapour pressure at 25 °C:              | 739 Pa                |
| Vapour pressure at 50 °C:              | 3125,74 Pa (3,13 kPa) |
| Evaporation rate at 25 °C:             | Non-applicable *      |

**Product description:**

|  |                               |
|--|-------------------------------|
| Density at 25 °C:                            | 1080 - 1140 kg/m <sup>3</sup> |
| Relative density at 25 °C:                   | 1,08 - 1,14                   |
| Dynamic viscosity at 25 °C:                  | 1235,61 - 1129,77 cP          |
| Kinematic viscosity at 25 °C:                | Non-applicable *              |
| Kinematic viscosity at 40 °C:                | >20,5 cSt                     |
| Concentration:                               | Non-applicable *              |
| pH:  | Non-applicable *              |
| Vapour density at 25 °C:                     | Non-applicable *              |
| Partition coefficient n-octanol/water 25 °C: | Non-applicable *              |
| Solubility in water at 25 °C:                | Non-applicable *              |

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

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

|                               |                  |
|-------------------------------|------------------|
| Solubility properties:        | Non-applicable * |
| Decomposition temperature:    | Non-applicable * |
| Melting point/freezing point: | Non-applicable * |
| Explosive properties:         | Non-applicable * |
| Oxidising properties:         | Non-applicable * |

**Flammability:**

|                            |                  |
|----------------------------|------------------|
| Flash Point:               | 32 °C            |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature:  | 204 °C           |
| Lower flammability limit:  | Not available    |
| Upper flammability limit:  | Not available    |

**Explosive:**

|                        |                  |
|------------------------|------------------|
| Lower explosive limit: | Non-applicable * |
| Upper explosive limit: | Non-applicable * |

**9.2 Other information:**

|                           |                  |
|---------------------------|------------------|
| Surface tension at 25 °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.

### 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

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

\*\* Changes with regards to the previous version

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

**Dangerous health implications:**

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

A- Ingestion (acute effect):

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

B- Inhalation (acute effect):

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

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

- Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.  
IARC: Xylene (3); Ethylbenzene (2B); Quartz (RCS < 1 %) (1); Toluene (3); Xylene (3); Cobalt bis(2-ethylhexanoate) (2B)
- 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: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

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

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

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

- Specific target organ toxicity (STOT)-repeated exposure: Serious health effects in the case of prolonged consumption, including death, serious functional disorders or morphological changes of toxicological importance.
- Skin: 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.

H- Aspiration hazard:

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

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

| Identification                  | Acute toxicity |                 | Genus                |
|---------------------------------|----------------|-----------------|----------------------|
|                                 | LD50 oral      | LD50 dermal     |                      |
| 2-methoxy-1-methylethyl acetate | 8532 mg/kg     |                 | Rat                  |
| CAS: 108-65-6                   |                | 5100 mg/kg      | Rat                  |
| EC: 203-603-9                   |                | LC50 inhalation | 30 mg/L (4 h)<br>Rat |

\*\* Changes with regards to the previous version

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

| Identification  | Acute toxicity  |                      | Genus  |
|---|-----------------|----------------------|--------|
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | LD50 oral       | 2100 mg/kg           | Rat    |
|   | LD50 dermal     | 1100 mg/kg (ATEI)    | Rat    |
|   | LC50 inhalation | 11 mg/L (4 h) (ATEI) |        |
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)<br>CAS: 64742-82-1<br>EC: 919-446-0 | LD50 oral       | >2000 mg/kg          |        |
|   | LD50 dermal     | >2000 mg/kg          |        |
|   | LC50 inhalation | >20 mg/L (4 h)       |        |
| trizinc bis(orthophosphate)<br>CAS: 7779-90-0<br>EC: 231-944-3  | LD50 oral       | >2000 mg/kg          |        |
|   | LD50 dermal     | >2000 mg/kg          |        |
|   | LC50 inhalation | >5 mg/L (4 h)        |        |
| calcium bis(2-ethylhexanoate)<br>CAS: 136-51-6<br>EC: 205-249-0   | LD50 oral       | 2043 mg/kg           | Rat    |
|   | LD50 dermal     | >2000 mg/kg          |        |
|   | LC50 inhalation | >5 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              |        |
| 2-butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6   | LD50 oral       | 2100 mg/kg           | Rat    |
|   | LD50 dermal     | 1100 mg/kg           | Rat    |
|   | 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              |        |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3   | LD50 oral       | 1880 mg/kg           | Rat    |
|   | LD50 dermal     | 1500 mg/kg           | Rabbit |
|   | LC50 inhalation | >20 mg/L             |        |
| 1-methoxy-2-propanol<br>CAS: 107-98-2<br>EC: 203-539-1  | LD50 oral       | >2000 mg/kg          |        |
|   | LD50 dermal     | >2000 mg/kg          |        |
|   | LC50 inhalation | >20 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    |
| 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-(2-butoxyethoxy)ethanol<br>CAS: 112-34-5<br>EC: 203-961-6   | LD50 oral       | >2000 mg/kg          |        |
|   | LD50 dermal     | >2000 mg/kg          |        |
|   | LC50 inhalation | >20 mg/L             |        |
| Toluene<br>CAS: 108-88-3<br>EC: 203-625-9   | LD50 oral       | 5580 mg/kg           | Rat    |
|   | LD50 dermal     | 12124 mg/kg          | Rat    |
|   | LC50 inhalation | 28,1 mg/L (4 h)      | Rat    |

\*\* Changes with regards to the previous version

### SECTION 12: ECOLOGICAL INFORMATION \*\*

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

#### 12.1 Toxicity:

| Identification                            | Acute toxicity |                  | Species              | Genus      |
|---|----------------|------------------|----------------------|------------|
| 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      |

\*\* Changes with regards to the previous version

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

| Identification  | Acute toxicity |                     | Species                   | Genus      |
|---|----------------|---------------------|---------------------------|------------|
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)<br>CAS: 64742-82-1<br>EC: 919-446-0 | LC50           | 1 - 10 mg/L (96 h)  |                           | Fish       |
|   | EC50           | 1 - 10 mg/L         |                           | Crustacean |
|   | EC50           | 1 - 10 mg/L         |                           | Algae      |
| 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      |                           |            |
| trizinc bis(orthophosphate)<br>CAS: 7779-90-0<br>EC: 231-944-3  | LC50           | 0.1 - 1 mg/L (96 h) |                           | Fish       |
|   | EC50           | 0.1 - 1 mg/L        |                           | Crustacean |
|   | EC50           | 0.1 - 1 mg/L        |                           | Algae      |
| calcium bis(2-ethylhexanoate)<br>CAS: 136-51-6<br>EC: 205-249-0   | LC50           | 270 mg/L (96 h)     | N/A                       | Fish       |
|   | EC50           | Non-applicable      |                           |            |
|   | EC50           | Non-applicable      |                           |            |
| 2-butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6   | LC50           | 843 mg/L (96 h)     | Pimephales promelas       | Fish       |
|   | EC50           | 750 mg/L (48 h)     | Daphnia magna             | Crustacean |
|   | EC50           | 83 mg/L (72 h)      | Scenedesmus subspicatus   | 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        |                           | Crustacean |
|   | EC50           | 0.1 - 1 mg/L        |                           | Algae      |
| 1-methoxy-2-propanol<br>CAS: 107-98-2<br>EC: 203-539-1  | LC50           | 20800 mg/L (96 h)   | Pimephales promelas       | Fish       |
|   | EC50           | 23300 mg/L (48 h)   | Daphnia magna             | Crustacean |
|   | EC50           | 1000 mg/L (168 h)   | Selenastrum capricornutum | 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      |
| 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-(2-butoxyethoxy)ethanol<br>CAS: 112-34-5<br>EC: 203-961-6   | LC50           | 1300 mg/L (96 h)    | Lepomis macrochirus       | Fish       |
|   | EC50           | 2850 mg/L (24 h)    | Daphnia magna             | Crustacean |
|   | EC50           | 53 mg/L (192 h)     | Microcystis aeruginosa    | Algae      |
| Toluene<br>CAS: 108-88-3<br>EC: 203-625-9   | LC50           | 13 mg/L (96 h)      | Carassius auratus         | Fish       |
|   | EC50           | 11.5 mg/L (48 h)    | Daphnia magna             | Crustacean |
|   | EC50           | 125 mg/L (48 h)     | Scenedesmus subspicatus   | Algae      |

**12.2 Persistence and degradability:**

| Identification   | Degradability |                | Biodegradability |                |
|--|---------------|----------------|------------------|----------------|
|  |               |                |                  |                |
| 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-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 %          |
| calcium bis(2-ethylhexanoate)<br>CAS: 136-51-6<br>EC: 205-249-0          | BOD5          | Non-applicable | Concentration    | 20 mg/L        |
|  | COD           | Non-applicable | Period           | 28 days        |
|  | BOD5/COD      | Non-applicable | % Biodegradable  | 99 %           |
| 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 %           |

\*\* Changes with regards to the previous version

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

| Identification  | Degradability |                | Biodegradability |                |
|---|---------------|----------------|------------------|----------------|
|   |               |                |                  |                |
| 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 %           |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3     | BOD5          | Non-applicable | Concentration    | 30 mg/L        |
|   | COD           | Non-applicable | Period           | 28 days        |
|   | BOD5/COD      | 0.51           | % Biodegradable  | 77,3 %         |
| 1-methoxy-2-propanol<br>CAS: 107-98-2<br>EC: 203-539-1      | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
|   | COD           | Non-applicable | Period           | 28 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 90 %           |
| 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 %           |
| 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-(2-butoxyethoxy)ethanol<br>CAS: 112-34-5<br>EC: 203-961-6 | BOD5          | 0.25 g O2/g    | Concentration    | 100 mg/L       |
|   | COD           | 2.08 g O2/g    | Period           | 28 days        |
|   | BOD5/COD      | 0.12           | % Biodegradable  | 92 %           |
| Toluene<br>CAS: 108-88-3<br>EC: 203-625-9                   | BOD5          | 2.5 g O2/g     | Concentration    | 100 mg/L       |
|   | COD           | Non-applicable | Period           | 14 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 100 %          |

**12.3 Bioaccumulative potential:**

| Identification   | Bioaccumulation potential |       |
|--|---------------------------|-------|
|  |                           |       |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7                                | BCF                       | 9     |
|  | Pow Log                   | 2.77  |
|  | Potential                 | Low   |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9        | BCF                       | 1     |
|  | Pow Log                   | 0.43  |
|  | Potential                 | Low   |
| calcium bis(2-ethylhexanoate)<br>CAS: 136-51-6<br>EC: 205-249-0          | BCF                       |       |
|  | Pow Log                   | 2.96  |
|  | Potential                 |       |
| 2-ethylhexanoic acid, zirconium salt<br>CAS: 22464-99-9<br>EC: 245-018-1 | BCF                       |       |
|  | Pow Log                   | 2.96  |
|  | Potential                 |       |
| 2-butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6                        | BCF                       | 5     |
|  | Pow Log                   | 0.59  |
|  | Potential                 | Low   |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3                  | BCF                       | 3     |
|  | Pow Log                   | 1.51  |
|  | Potential                 | Low   |
| 1-methoxy-2-propanol<br>CAS: 107-98-2<br>EC: 203-539-1                   | BCF                       | 3     |
|  | Pow Log                   | -0.44 |
|  | Potential                 | Low   |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                           | BCF                       | 1     |
|  | Pow Log                   | 3.15  |
|  | Potential                 | Low   |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7                                | BCF                       | 9     |
|  | Pow Log                   | 2.77  |
|  | Potential                 | Low   |

\*\* Changes with regards to the previous version

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

| Identification  | Bioaccumulation potential |      |
|---|---------------------------|------|
| 2-(2-butoxyethoxy)ethanol<br>CAS: 112-34-5<br>EC: 203-961-6 | BCF                       | 0.46 |
|   | Pow Log                   | 0.56 |
|   | Potential                 | Low  |
| Toluene<br>CAS: 108-88-3<br>EC: 203-625-9                   | BCF                       | 13   |
|   | Pow Log                   | 2.73 |
|   | Potential                 | Low  |

#### 12.4 Mobility in soil:

| Identification   | Absorption/desorption |                      | Volatility |                                 |
|--|-----------------------|----------------------|------------|---------------------------------|
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7                                | Koc                   | 202                  | Henry      | 524,86 Pa·m <sup>3</sup> /mol   |
|  | Conclusion            | Moderate             | Dry soil   | Yes                             |
|  | Surface tension       | Non-applicable       | Moist soil | Yes                             |
| calcium bis(2-ethylhexanoate)<br>CAS: 136-51-6<br>EC: 205-249-0          | Koc                   | Non-applicable       | Henry      | 2,94E-1 Pa·m <sup>3</sup> /mol  |
|  | Conclusion            | Non-applicable       | Dry soil   | Yes                             |
|  | Surface tension       | Non-applicable       | Moist soil | Yes                             |
| 2-ethylhexanoic acid, zirconium salt<br>CAS: 22464-99-9<br>EC: 245-018-1 | Koc                   | Non-applicable       | Henry      | 2,94E-1 Pa·m <sup>3</sup> /mol  |
|  | 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                  |
| 2-butoxyethyl acetate<br>CAS: 112-07-2<br>EC: 203-933-3                  | Koc                   | Non-applicable       | Henry      | 5,532E-1 Pa·m <sup>3</sup> /mol |
|  | Conclusion            | Non-applicable       | Dry soil   | No                              |
|  | Surface tension       | Non-applicable       | Moist soil | Yes                             |
| 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                             |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7                                | Koc                   | 202                  | Henry      | 524,86 Pa·m <sup>3</sup> /mol   |
|  | Conclusion            | Moderate             | Dry soil   | Yes                             |
|  | Surface tension       | Non-applicable       | Moist soil | Yes                             |
| 2-(2-butoxyethoxy)ethanol<br>CAS: 112-34-5<br>EC: 203-961-6              | Koc                   | 48                   | Henry      | 7,2E-9 Pa·m <sup>3</sup> /mol   |
|  | Conclusion            | Very High            | Dry soil   | No                              |
|  | Surface tension       | 3,395E-2 N/m (25 °C) | Moist soil | No                              |
| Toluene<br>CAS: 108-88-3<br>EC: 203-625-9                                | Koc                   | 178                  | Henry      | 672,8 Pa·m <sup>3</sup> /mol    |
|  | Conclusion            | Moderate             | Dry soil   | Yes                             |
|  | Surface tension       | 2,793E-2 N/m (25 °C) | Moist soil | Yes                             |

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

Product contains PBT/vPvB substances: Octamethylcyclotetrasiloxane, Decamethylcyclopentasiloxane

#### 12.6 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, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity

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**SECTION 13: DISPOSAL CONSIDERATIONS (continued)**

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

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

**Regulations related to waste management:**

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

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

**SECTION 14: TRANSPORT INFORMATION**

**Transport of dangerous goods by land:**

With regard to ADR 2019 and RID 2019:



- 14.1 UN 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:** Yes
- 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 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by sea:**

With regard to IMDG 39-18:



- 14.1 UN 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:** Yes
- 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 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 2020:

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



- 14.1 UN 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:** Yes  
**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 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

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                   |
| E2      | ENVIRONMENTAL HAZARDS | 200                     | 500                     |

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

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

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.'

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:**

\*\* Changes with regards to the previous version

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

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.:**

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

- New declared substances  
Cobalt bis(2-ethylhexanoate) (136-52-7)
- Removed substances  
naphtha (petroleum), hydrodesulphurized heavy , < 0.1 % EC 200-753-7 (64742-82-1)

Substances that contribute to the classification (SECTION 2):

- Removed substances  
naphtha (petroleum), hydrodesulphurized heavy , < 0.1 % EC 200-753-7 (64742-82-1)

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

- Hazard statements
- Precautionary statements
- Substances contained in EUH208:
  - New declared substances  
Cobalt bis(2-ethylhexanoate) (136-52-7)

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

H315: Causes skin irritation  
H372: Causes damage to organs through prolonged or repeated exposure  
H411: Toxic to aquatic life with long lasting effects  
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:**

Acute Tox. 4: H302 - Harmful if swallowed  
Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled  
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 1: H410 - Very toxic to aquatic life with long lasting effects  
Aquatic Chronic 2: H411 - Toxic 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  
Eye Dam. 1: H318 - Causes serious eye damage  
Eye Irrit. 2: H319 - Causes serious eye irritation  
Flam. Liq. 2: H225 - Highly flammable liquid and vapour  
Flam. Liq. 3: H226 - Flammable liquid and vapour  
Repr. 2: H361d - Suspected of damaging the unborn child.  
Repr. 2: H361f - Suspected of damaging fertility.  
Skin Irrit. 2: H315 - Causes skin irritation  
Skin Sens. 1: H317 - May cause an allergic skin reaction  
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure  
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure  
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral)  
STOT SE 3: H335 - May cause respiratory irritation  
STOT SE 3: H336 - May cause drowsiness or dizziness

**Classification procedure:**

Skin Irrit. 2: Calculation method  
STOT RE 1: Calculation method  
Aquatic Chronic 2: Calculation method  
Flam. Liq. 3: Calculation method (2.6.4.3)

**Advice related to training:**

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

**Principal bibliographical sources:**

\*\* Changes with regards to the previous version

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

<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

*\*\* Changes with regards to the previous version*

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 -