

**BK-Emajl BS****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** BK-Emajl BS
- Other means of identification:**  
Non-applicable
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Coating for 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:**  
Banja Komerc Bekament d.o.o.  
EIprouva 11  
1000 Ljubljana - Slovenia - Slovenia  
Phone: +381628010160  
jelena.tomkovic@bekament.com  
http://bekament.com
- 1.4 Emergency telephone number:** 911

**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.  
Acute Tox. 4: Acute toxicity, Category 4, H312+H332  
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412  
Carc. 1B: Carcinogenicity, Category 1B, H350  
Flam. Liq. 3: Flammable liquids, Category 3, H226  
Muta. 1B: Germ cell mutagenicity, Category 1B, H340  
Skin Irrit. 2: Skin irritation, Category 2, H315

**2.2 Label elements:****CLP Regulation (EC) No 1272/2008:**

Danger

**Hazard statements:**

H226 - Flammable liquid and vapour.  
 H312+H332 - Harmful in contact with skin or if inhaled.  
 H315 - Causes skin irritation.  
 H340 - May cause genetic defects.  
 H350 - May cause cancer.  
 H412 - Harmful to aquatic life with long lasting effects.

**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/face protection/protective clothing/respiratory protection/protective footwear.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.  
 P501: Dispose of contents/container according to the separated collection system used in your municipality.

**Supplementary information:**

EUH208: Contains 2-butanone oxime. May produce an allergic reaction.  
 EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**Substances that contribute to the classification**

Reaction mass of ethylbenzene and m-xylene and p-xylene ; Xylene; Titanium dioxide (aerodynamic diameter  $\leq 10 \mu\text{m}$ ); 2-butanone oxime

- CONTINUED ON NEXT PAGE -

**BK-Emajl BS**

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

**Additional Labelling:**

Restricted to professional users

**2.3 Other hazards:**

Product does not meet PBT/vPvB criteria

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

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

**3.1 Substance:**

Non-applicable

**3.2 Mixture:**

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

**Components:**

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

| Identification  | Chemical name/Classification  | Concentration    |
|---|---|------------------|
| 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<br>Regulation 1272/2008 Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning   | 1 - <20 %        |
| 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  | 1 - <20 %        |
| CAS: 13463-67-7<br>EC: 236-675-5<br>Index: 022-006-00-2<br>REACH: 01-2119489379-17-XXXX       | <b>Titanium dioxide (aerodynamic diameter ≤ 10 µm)<sup>(1)</sup></b> ATP ATP14<br>Regulation 1272/2008 Carc. 2: H351 - Warning  | 1 - <20 %        |
| 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   | 1 - <20 %        |
| CAS: 73513-82-3<br>EC: 295-551-9<br>Index: Non-applicable<br>REACH: 01-0000015328-69-XXXX     | <b>Aromatic hydrocarbons, C9-12, benzene distn.<sup>(1)</sup></b> Self-classified<br>Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning  | 1 - <20 %        |
| 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 ATP15<br>Regulation 1272/2008 Acute Tox. 3: H301; Acute Tox. 4: H312; Carc. 1B: H350; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 1: H370; STOT SE 3: H336 - Danger | 0.0000006 - <1 % |
| CAS: 64742-48-9<br>EC: 265-150-3<br>Index: 649-327-00-6<br>REACH: 01-2119486659-16-XXXX       | <b>Naphtha (petroleum), hydrotreated heavy<sup>(1)</sup></b> ATP ATP01<br>Regulation 1272/2008 Asp. Tox. 1: H304; Carc. 1B: H350; Muta. 1B: H340 - Danger   | 0.0000006 - <1 % |
| CAS: 111-76-2<br>EC: 203-905-0<br>Index: 603-014-00-0<br>REACH: 01-2119475108-36-XXXX         | <b>2-butoxyethanol<sup>(1)</sup></b> ATP ATP18<br>Regulation 1272/2008 Acute Tox. 3: H331; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Danger   | 0.0000006 - <1 % |
| CAS: 50-00-0<br>EC: 200-001-8<br>Index: 605-001-00-5<br>REACH: 01-2119488953-20-XXXX          | <b>Formaldehyde<sup>(2)</sup></b> ATP ATP06<br>Regulation 1272/2008 Acute Tox. 3: H301+H311+H331; Carc. 1B: H350; Muta. 2: H341; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger   | 0.0000006 - <1 % |

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

<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.

**Other information:**

**BK-Emajl BS**

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

| Identification                                | Specific concentration limit  |
|---|---|
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8 | % (w/w) >=25: Skin Corr. 1B - H314<br>5<= % (w/w) <25: Skin Irrit. 2 - H315<br>% (w/w) >=25: Eye Dam. 1 - H318<br>5<= % (w/w) <25: Eye Irrit. 2 - H319<br>% (w/w) >=0.2: Skin Sens. 1 - H317<br>% (w/w) >=5: STOT SE 3 - H335 |

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

| Identification  | Acute toxicity    |                   | Genus |
|---|-------------------|-------------------|-------|
|   | LD50 oral         | LD50 dermal       |       |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | Non-applicable    | 1100 mg/kg (ATEi) | Rat   |
|   | 1100 mg/kg (ATEi) | 11 mg/L (ATEi)    |       |
|   | 11 mg/L (ATEi)    | 11 mg/L (ATEi)    |       |
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Non-applicable<br>EC: 905-562-9 | Non-applicable    | 1100 mg/kg (ATEi) | Rat   |
|   | 1100 mg/kg (ATEi) | 11 mg/L (ATEi)    |       |
|   | 11 mg/L (ATEi)    | 11 mg/L (ATEi)    |       |
| 2-butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6   | 100 mg/kg (ATEi)  | Non-applicable    |       |
|   | Non-applicable    | Non-applicable    |       |
|   | Non-applicable    | Non-applicable    |       |
| 2-butoxyethanol<br>CAS: 111-76-2<br>EC: 203-905-0   | Non-applicable    | Non-applicable    |       |
|   | Non-applicable    | Non-applicable    |       |
|   | 3 mg/L (ATEi)     | 3 mg/L (ATEi)     |       |

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures:**

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

**By inhalation:**

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

**By skin contact:**

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

**By eye contact:**

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

**By ingestion/aspiration:**

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

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

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

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

Non-applicable

**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media:**

**Suitable extinguishing media:**

- CONTINUED ON NEXT PAGE -

## BK-Emajl BS

### SECTION 5: FIREFIGHTING MEASURES (continued)

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:

##### For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

##### For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

#### 6.2 Environmental precautions:

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

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

It is recommended:

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

#### 6.4 Reference to other sections:

See sections 8 and 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling:

##### A.- General precautions for safe use

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

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

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

- CONTINUED ON NEXT PAGE -

## Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



### BK-Emajl BS

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

C.- Technical recommendations on general occupational hygiene

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

D.- Technical recommendations to prevent environmental risks

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

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

A.- Technical measures for storage

Minimum Temp.: 5 °C  
Maximum Temp.: 30 °C  
Maximum time: 36 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 |         |                        |
|--|------------------------------|---------|------------------------|
| 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-butoxyethanol<br>CAS: 111-76-2 EC: 203-905-0 | IOELV (8h)                   | 20 ppm  | 98 mg/m <sup>3</sup>   |
|  | IOELV (STEL)                 | 50 ppm  | 246 mg/m <sup>3</sup>  |
| Formaldehyde<br>CAS: 50-00-0 EC: 200-001-8     | IOELV (8h)                   | 0,3 ppm | 0,37 mg/m <sup>3</sup> |
|  | IOELV (STEL)                 | 0,6 ppm | 0,74 mg/m <sup>3</sup> |

##### DNEL (Workers):

| Identification  |            | Short exposure           |                           | Long exposure         |                         |
|---|------------|--------------------------|---------------------------|-----------------------|-------------------------|
|   |            | Systemic                 | Local                     | Systemic              | Local                   |
| 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>   |
| 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>   |
| 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          |
| Aromatic hydrocarbons, C9-12, benzene distr.<br>CAS: 73513-82-3<br>EC: 295-551-9                | Oral       | Non-applicable           | Non-applicable            | Non-applicable        | Non-applicable          |
|   | Dermal     | Non-applicable           | Non-applicable            | 25 mg/kg              | Non-applicable          |
|   | Inhalation | Non-applicable           | Non-applicable            | 150 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     | Non-applicable           | Non-applicable            | Non-applicable        | Non-applicable          |
|   | Inhalation | Non-applicable           | Non-applicable            | Non-applicable        | 0,9 mg/m <sup>3</sup>   |
| Naphtha (petroleum), hydrotreated heavy<br>CAS: 64742-48-9<br>EC: 265-150-3                     | Oral       | Non-applicable           | Non-applicable            | Non-applicable        | Non-applicable          |
|   | Dermal     | Non-applicable           | Non-applicable            | Non-applicable        | Non-applicable          |
|   | Inhalation | 1286,4 mg/m <sup>3</sup> | 1066,67 mg/m <sup>3</sup> | Non-applicable        | 837,5 mg/m <sup>3</sup> |

- CONTINUED ON NEXT PAGE -

Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



**BK-Emajl BS**

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

| Identification                                    |            | Short exposure         |                        | Long exposure        |                         |
|---|------------|------------------------|------------------------|----------------------|-------------------------|
|   |            | Systemic               | Local                  | Systemic             | Local                   |
| 2-butoxyethanol<br>CAS: 111-76-2<br>EC: 203-905-0 | Oral       | Non-applicable         | Non-applicable         | Non-applicable       | Non-applicable          |
|   | Dermal     | 89 mg/kg               | Non-applicable         | 125 mg/kg            | Non-applicable          |
|   | Inhalation | 1091 mg/m <sup>3</sup> | 246 mg/m <sup>3</sup>  | 98 mg/m <sup>3</sup> | Non-applicable          |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8     | Oral       | Non-applicable         | Non-applicable         | Non-applicable       | Non-applicable          |
|   | Dermal     | Non-applicable         | Non-applicable         | 240 mg/kg            | Non-applicable          |
|   | Inhalation | Non-applicable         | 0,75 mg/m <sup>3</sup> | 9 mg/m <sup>3</sup>  | 0,375 mg/m <sup>3</sup> |

**DNEL (General population):**

| Identification  |            | Short exposure         |                       | Long exposure          |                          |
|---|------------|------------------------|-----------------------|------------------------|--------------------------|
|   |            | Systemic               | Local                 | Systemic               | Local                    |
| 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>   |
| 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>   |
| 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           |
| Aromatic hydrocarbons, C9-12, benzene distn.<br>CAS: 73513-82-3<br>EC: 295-551-9                | Oral       | Non-applicable         | Non-applicable        | 11 mg/kg               | Non-applicable           |
|   | Dermal     | Non-applicable         | Non-applicable        | 11 mg/kg               | Non-applicable           |
|   | Inhalation | Non-applicable         | Non-applicable        | 32 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     | Non-applicable         | Non-applicable        | Non-applicable         | Non-applicable           |
|   | Inhalation | Non-applicable         | Non-applicable        | Non-applicable         | 0,43 mg/m <sup>3</sup>   |
| Naphtha (petroleum), hydrotreated heavy<br>CAS: 64742-48-9<br>EC: 265-150-3                     | Oral       | Non-applicable         | Non-applicable        | Non-applicable         | Non-applicable           |
|   | Dermal     | Non-applicable         | Non-applicable        | Non-applicable         | Non-applicable           |
|   | Inhalation | 1152 mg/m <sup>3</sup> | 640 mg/m <sup>3</sup> | Non-applicable         | 178,57 mg/m <sup>3</sup> |
| 2-butoxyethanol<br>CAS: 111-76-2<br>EC: 203-905-0   | Oral       | Non-applicable         | Non-applicable        | 6,3 mg/kg              | Non-applicable           |
|   | Dermal     | 89 mg/kg               | Non-applicable        | 75 mg/kg               | Non-applicable           |
|   | Inhalation | 426 mg/m <sup>3</sup>  | 147 mg/m <sup>3</sup> | 59 mg/m <sup>3</sup>   | Non-applicable           |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8   | Oral       | Non-applicable         | Non-applicable        | 4,1 mg/kg              | Non-applicable           |
|   | Dermal     | Non-applicable         | Non-applicable        | 102 mg/kg              | Non-applicable           |
|   | Inhalation | Non-applicable         | Non-applicable        | 3,2 mg/m <sup>3</sup>  | 0,1 mg/m <sup>3</sup>    |

**PNEC:**

| Identification  |              |                |                         |             |
|---|--------------|----------------|-------------------------|-------------|
| 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 |
| 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         | 0,052 mg/kg    | Marine water            | 0,026 mg/L  |
|   | Intermittent | 0,118 mg/L     | Sediment (Fresh water)  | 1,012 mg/kg |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,101 mg/kg |

- CONTINUED ON NEXT PAGE -

**BK-Emajl BS**

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



| Identification                                    |              |                |                         |            |
|---|--------------|----------------|-------------------------|------------|
| 2-butoxyethanol<br>CAS: 111-76-2<br>EC: 203-905-0 | STP          | 463 mg/L       | Fresh water             | 8,8 mg/L   |
|   | Soil         | 2,33 mg/kg     | Marine water            | 0,88 mg/L  |
|   | Intermittent | 26,4 mg/L      | Sediment (Fresh water)  | 34,6 mg/kg |
|   | Oral         | 0,02 g/kg      | Sediment (Marine water) | 3,46 mg/kg |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8     | STP          | 0,19 mg/L      | Fresh water             | 0,44 mg/L  |
|   | Soil         | 0,2 mg/kg      | Marine water            | 0,44 mg/L  |
|   | Intermittent | 4,44 mg/L      | Sediment (Fresh water)  | 2,3 mg/kg  |
|   | Oral         | Non-applicable | Sediment (Marine water) | 2,3 mg/kg  |

**8.2 Exposure controls:**


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

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

**B.- Respiratory protection**



| Pictogram  | PPE                               | Labelling  | CEN Standard        | Remarks  |
|--|-----------------------------------|--|---------------------|--|
| <br>Mandatory respiratory tract protection | Filter mask for gases and vapours |  | EN 405:2002+A1:2010 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |

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





| Pictogram  | PPE   | Labelling   | CEN Standard      | Remarks  |
|--|---|---|-------------------|--|
| <br>Mandatory hand protection | Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm) |  | EN ISO 21420:2020 | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

**D.- Eye and face protection**

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

| 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 13287:2020<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 -



## Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



### BK-Emajl BS

#### 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):          | 40,18 % weight                  |
| V.O.C. density at 20 °C:  | 450 kg/m <sup>3</sup> (450 g/L) |
| Average carbon number:    | 7,93                            |
| Average molecular weight: | 105,81 g/mol                    |

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

|                                      |                                 |
|--------------------------------------|---------------------------------|
| V.O.C. density at 20 °C:             | 450 kg/m <sup>3</sup> (450 g/L) |
| EU limit for the product (Cat. A.I): | 500 g/L (2010)                  |
| Components:                          | Non-applicable                  |

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

For complete information see the product datasheet.

#### **Appearance:**

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

#### **Volatility:**

|  |                       |
|--|-----------------------|
| Boiling point at atmospheric pressure: | 137 °C                |
| Vapour pressure at 20 °C:              | 803 Pa                |
| Vapour pressure at 50 °C:              | 4384,51 Pa (4,38 kPa) |
| Evaporation rate at 20 °C:             | Non-applicable *      |

#### **Product description:**

|  |                          |
|--|--------------------------|
| Density at 20 °C:                            | 1114,8 kg/m <sup>3</sup> |
| Relative density at 20 °C:                   | 1,115                    |
| Dynamic viscosity at 20 °C:                  | Non-applicable *         |
| Kinematic viscosity at 20 °C:                | Non-applicable *         |
| 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:                | Non-applicable *         |
| Solubility properties:                       | Non-applicable *         |

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

- CONTINUED ON NEXT PAGE -



**BK-Emajl BS**

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

Decomposition temperature: Non-applicable \*

Melting point/freezing point: Non-applicable \*

**Flammability:**

Flash Point: 25 °C

Flammability (solid, gas): Non-applicable \*

Autoignition temperature: 200 °C

Lower flammability limit: Not available

Upper flammability limit: Not available

**Particle characteristics:**

Median equivalent diameter: Non-applicable

**9.2 Other information:**

**Information with regard to physical hazard classes:**

Explosive properties: Non-applicable \*

Oxidising properties: Non-applicable \*

Corrosive to metals: Non-applicable \*

Heat of combustion: Non-applicable \*

Aerosols-total percentage (by mass) of flammable components: Non-applicable \*

**Other safety characteristics:**

Surface tension at 20 °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 from Safety Data Sheet.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

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

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

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

**10.5 Incompatible materials:**

| Acids              | Water          | Oxidising materials | Combustible materials | Others                        |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid 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 hazard classes as defined in Regulation (EC) No 1272/2008:**

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

- CONTINUED ON NEXT PAGE -

**BK-Emajl BS**

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

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

**Dangerous health implications:**

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

A- Ingestion (acute effect):

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

B- Inhalation (acute effect):

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

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 hazardous for this effect. For more information see section 3.

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

- Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.  
IARC: Xylene (3); Reaction mass of ethylbenzene and m-xylene and p-xylene (3); ethanol (1); Naphtha (petroleum), hydrotreated heavy (3); 2-butoxyethanol (3); Formaldehyde (1); Titanium dioxide (aerodynamic diameter ≤ 10 µm) (2B)
- Mutagenicity: Exposure to this product can cause genetic modifications. For more specific information on the possible health effects see section 2.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: 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 does contain substances which are classified as dangerous as a result of a single exposure. For more information see section 3.

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

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

H- Aspiration hazard:

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

**Other information:**

CAS 13463-67-7 Titanium dioxide (aerodynamic diameter ≤ 10 µm): 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 ≤ 10 µm

**Specific toxicology information on the substances:**

| Identification | Acute toxicity  |                   | Genus |
|----------------|-----------------|-------------------|-------|
|                | LD50 oral       | LD50 dermal       |       |
| Xylene         | 3523 mg/kg      |                   | Rat   |
| CAS: 1330-20-7 |                 | 1100 mg/kg (ATEI) |       |
| EC: 215-535-7  | LC50 inhalation | 11 mg/L (ATEI)    |       |

- CONTINUED ON NEXT PAGE -

**BK-Emajl BS**
**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

| Identification  | Acute toxicity  |                   | Genus  |
|---|-----------------|-------------------|--------|
|   | Route           | Value             |        |
| 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 (ATEi) | Rat    |
|   | LC50 inhalation | 11 mg/L (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 | Non-applicable    |        |
| 2-butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6   | LD50 oral       | 100 mg/kg (ATEi)  |        |
|   | LD50 dermal     | 1100 mg/kg        |        |
|   | LC50 inhalation | Non-applicable    |        |
| 2-butoxyethanol<br>CAS: 111-76-2<br>EC: 203-905-0   | LD50 oral       | 1200 mg/kg        | Rat    |
|   | LD50 dermal     | 3000 mg/kg        | Rabbit |
|   | LC50 inhalation | 3 mg/L (ATEi)     |        |
| Naphtha (petroleum), hydrotreated heavy<br>CAS: 64742-48-9<br>EC: 265-150-3                     | LD50 oral       | >5000 mg/kg       | Rat    |
|   | LD50 dermal     | >5000 mg/kg       | Rabbit |
|   | LC50 inhalation | Non-applicable    |        |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8   | LD50 oral       | 100 mg/kg         |        |
|   | LD50 dermal     | 300 mg/kg         |        |
|   | LC50 inhalation | Non-applicable    |        |

**11.2 Information on other hazards:**
**Endocrine disrupting properties**

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

**Other information**

Non-applicable

**SECTION 12: ECOLOGICAL INFORMATION**

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

Harmful to aquatic life with long lasting effects.

**12.1 Toxicity:**
**Acute toxicity:**

| Identification  | Concentration |                      | Species                         | Genus      |
|---|---------------|----------------------|---------------------------------|------------|
|   | Endpoint      | Value                |                                 |            |
| 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 (48 h) |                                 | Crustacean |
|   | EC50          | >0.1 - 1 mg/L (72 h) |                                 | Algae      |
| 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      |
| Naphtha (petroleum), hydrotreated heavy<br>CAS: 64742-48-9<br>EC: 265-150-3 | LC50          | 2200 mg/L (96 h)     | Pimephales promelas             | Fish       |
|   | EC50          | 1000 mg/L (96 h)     | Daphnia magna                   | Crustacean |
|   | EC50          | Non-applicable       |                                 |            |
| 2-butoxyethanol<br>CAS: 111-76-2<br>EC: 203-905-0                           | LC50          | 1490 mg/L (96 h)     | Lepomis macrochirus             | Fish       |
|   | EC50          | 1815 mg/L (48 h)     | Daphnia magna                   | Crustacean |
|   | EC50          | 911 mg/L (72 h)      | Pseudokirchneriella subcapitata | Algae      |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8                               | LC50          | 100 mg/L (96 h)      | Lepomis macrochirus             | Fish       |
|   | EC50          | 42 mg/L (24 h)       | Daphnia magna                   | Crustacean |
|   | EC50          | Non-applicable       |                                 |            |

**Chronic toxicity:**

| Identification   | Concentration |           | Species             | Genus      |
|--|---------------|-----------|---------------------|------------|
|  | Endpoint      | Value     |                     |            |
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Non-applicable EC: 905-562-9 | NOEC          | 1,3 mg/L  | Oncorhynchus mykiss | Fish       |
|  | NOEC          | 1,17 mg/L | Ceriodaphnia dubia  | Crustacean |

- CONTINUED ON NEXT PAGE -

Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



**BK-Emajl BS**

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

| Identification               | Concentration |                | Species             | Genus      |
|------------------------------|---------------|----------------|---------------------|------------|
| Xylene                       | NOEC          | 1,3 mg/L       | Oncorhynchus mykiss | Fish       |
| CAS: 1330-20-7 EC: 215-535-7 | NOEC          | 1,17 mg/L      | Ceriodaphnia dubia  | Crustacean |
| 2-butanone oxime             | NOEC          | 50 mg/L        | Oryzias latipes     | Fish       |
| CAS: 96-29-7 EC: 202-496-6   | NOEC          | 100 mg/L       | Daphnia magna       | Crustacean |
| 2-butoxyethanol              | NOEC          | 100 mg/L       | Danio rerio         | Fish       |
| CAS: 111-76-2 EC: 203-905-0  | NOEC          | 100 mg/L       | Daphnia magna       | Crustacean |
| Formaldehyde                 | NOEC          | Non-applicable |                     |            |
| CAS: 50-00-0 EC: 200-001-8   | NOEC          | 6,4 mg/L       | Daphnia magna       | Crustacean |

**12.2 Persistence and degradability:**

**Substance-specific information:**

| 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-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 %           |
| Naphtha (petroleum), hydrotreated heavy<br>CAS: 64742-48-9<br>EC: 265-150-3 | BOD5          | Non-applicable | Concentration    | Non-applicable |
|   | COD           | Non-applicable | Period           | 28 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 89,9 %         |
| 2-butoxyethanol<br>CAS: 111-76-2<br>EC: 203-905-0                           | BOD5          | 0,71 g O2/g    | Concentration    | 100 mg/L       |
|   | COD           | 2,2 g O2/g     | Period           | 14 days        |
|   | BOD5/COD      | 0,32           | % Biodegradable  | 96 %           |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8                               | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
|   | COD           | Non-applicable | Period           | 14 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 92 %           |

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

| Identification  | Bioaccumulation potential |      |
|---|---------------------------|------|
|   |                           |      |
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>CAS: Non-applicable<br>EC: 905-562-9 | BCF                       | 9    |
|   | Pow Log                   | 2.77 |
|   | Potential                 | Low  |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | BCF                       | 9    |
|   | Pow Log                   | 2.77 |
|   | Potential                 | Low  |
| 2-butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6   | BCF                       | 5    |
|   | Pow Log                   | 0.59 |
|   | Potential                 | Low  |
| 2-butoxyethanol<br>CAS: 111-76-2<br>EC: 203-905-0   | BCF                       | 3    |
|   | Pow Log                   | 0.83 |
|   | Potential                 | Low  |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8   | BCF                       | 3    |
|   | Pow Log                   | 0.35 |
|   | 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                           |

- CONTINUED ON NEXT PAGE -

## Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



### BK-Emajl BS

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

| Identification  | Absorption/desorption |                      | Volatility |                                 |
|---|-----------------------|----------------------|------------|---------------------------------|
| 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                  |
| Naphtha (petroleum), hydrotreated heavy<br>CAS: 64742-48-9<br>EC: 265-150-3 | Koc                   | 100                  | Henry      | Non-applicable                  |
|   | Conclusion            | High                 | Dry soil   | Non-applicable                  |
|   | Surface tension       | Non-applicable       | Moist soil | Non-applicable                  |
| 2-butoxyethanol<br>CAS: 111-76-2<br>EC: 203-905-0                           | Koc                   | 8                    | Henry      | 1,621E-1 Pa·m <sup>3</sup> /mol |
|   | Conclusion            | Very High            | Dry soil   | No                              |
|   | Surface tension       | 2,729E-2 N/m (25 °C) | Moist soil | Yes                             |
| Formaldehyde<br>CAS: 50-00-0<br>EC: 200-001-8                               | Koc                   | Non-applicable       | Henry      | Non-applicable                  |
|   | Conclusion            | Non-applicable       | Dry soil   | Non-applicable                  |
|   | Surface tension       | 1,416E-2 N/m (25 °C) | Moist soil | Non-applicable                  |

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

Product does not meet PBT/vPvB criteria

#### 12.6 Endocrine disrupting properties:

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

#### 12.7 Other adverse effects:

Not described

#### SECTION 13: DISPOSAL CONSIDERATIONS

##### 13.1 Waste treatment methods:

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

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

HP14 Ecotoxic, HP3 Flammable, HP6 Acute Toxicity, HP7 Carcinogenic, HP11 Mutagenic, HP4 Irritant — skin irritation and eye damage

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

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

##### Regulations related to waste management:

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

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

#### SECTION 14: TRANSPORT INFORMATION

##### Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:

- CONTINUED ON NEXT PAGE -

**BK-Emajl BS**

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



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

**Transport of dangerous goods by sea:**

With regard to IMDG 40-20:



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

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2023:



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

**SECTION 15: REGULATORY INFORMATION**

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

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: Formaldehyde (Product-type 2, 3, 22)

- CONTINUED ON NEXT PAGE -

**BK-Emajl BS**

**SECTION 15: REGULATORY INFORMATION (continued)**

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Seveso III:**

| Section | Description       | Lower-tier requirements | Upper-tier requirements |
|---------|-------------------|-------------------------|-------------------------|
| P5c     | FLAMMABLE LIQUIDS | 5000                    | 50000                   |

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

Product classified hazardous under the CMR. Sale and distribution to the general public is prohibited. Due to its CMR category, it is essential to apply the specific measures for workplace hazard prevention covered in articles 4 and 5 of the 2004/37/EC Directive and later modifications.

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.

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

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

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

**SECTION 16: OTHER INFORMATION**

**Legislation related to safety data sheets:**

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

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

COMMISSION REGULATION (EU) 2020/878

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

- H315: Causes skin irritation.
- H340: May cause genetic defects.
- H350: May cause cancer.
- H412: Harmful to aquatic life with long lasting effects.
- H312+H332: Harmful in contact with skin or if inhaled.
- 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:**

**BK-Emajl BS****SECTION 16: OTHER INFORMATION (continued)**

Acute Tox. 3: H301 - Toxic if swallowed.  
 Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.  
 Acute Tox. 3: H331 - Toxic if inhaled.  
 Acute Tox. 4: H302 - Harmful if swallowed.  
 Acute Tox. 4: H312 - Harmful in contact with skin.  
 Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.  
 Aquatic Acute 1: H400 - Very toxic to aquatic life.  
 Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.  
 Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.  
 Carc. 1B: H350 - May cause cancer.  
 Carc. 2: H351 - Suspected of causing cancer (Inhalation).  
 Eye Dam. 1: H318 - Causes serious eye damage.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Flam. Liq. 3: H226 - Flammable liquid and vapour.  
 Muta. 1B: H340 - May cause genetic defects.  
 Muta. 2: H341 - Suspected of causing genetic defects.  
 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  
 Skin Irrit. 2: H315 - Causes skin irritation.  
 Skin Sens. 1: H317 - May cause an allergic skin reaction.  
 STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.  
 STOT SE 1: H370 - Causes damage to organs.  
 STOT SE 3: H335 - May cause respiratory irritation.  
 STOT SE 3: H336 - May cause drowsiness or dizziness.

**Classification procedure:**

Skin Irrit. 2: Calculation method  
 Muta. 1B: Calculation method  
 Carc. 1B: Calculation method  
 Aquatic Chronic 3: Calculation method  
 Acute Tox. 4: Calculation method  
 Flam. Liq. 3: Calculation method (2.6.4.3)

**Advice related to training:**

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

**Principal bibliographical sources:**

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

**Abbreviations and acronyms:**

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

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 -