

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 as amended by Commission Regulation (EU) 2020/878 and Regulation (EC) No. 1272/2008

Issuing Date 18-Jan-2023

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Revision Number 1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product Code(s)** 800158  
**Product Name** IJSR-4000 JM02DG  
**Synonyms** None  
**Pure substance/mixture** Mixture

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended use** Inkjet solder mask  
**Uses advised against** No information available

### 1.3. Details of the supplier of the safety data sheet

| <b>Importer</b>  | <b>Manufacturer</b>  |
|--|--|
| REACH OR: CAPLINQ Europe<br>BV<br>Industrieweg 15E<br>1566JN Assendelft<br>The Netherlands<br>+31208932224 | Taiyo America, Inc.<br>2675 Antler Drive<br>Carson City, NV 89701<br>TEL: 775-885-9959 (M-F, 8 AM - 4 PM, Pacific Time Zone) |

### For further information, please contact

**E-mail address** SDSinfo@taiyo-america.com

### 1.4. Emergency telephone number

**Emergency telephone** +1-813-248-0585 International - product safety issues (24 hours; in most major languages)  
+1-800-255-3924 Within U.S.A. only (24 hours)  
(Contract # MIS0007979)

### Emergency telephone - §45 - (EC)1272/2008

|        |     |
|--------|-----|
| Europe | 112 |
|--------|-----|

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

|  |                      |
|--|----------------------|
| <b>Skin corrosion/irritation</b>         | Category 2 - (H315)  |
| <b>Serious eye damage/eye irritation</b> | Category 1 - (H318)  |
| <b>Skin sensitisation</b>                | Category 1 - (H317)  |
| <b>Reproductive toxicity</b>             | Category 1B - (H360) |
| <b>Chronic aquatic toxicity</b>          | Category 3 - (H412)  |

### 2.2. Label elements

Contains Oxybis(methyl-2,1-ethanediy) diacrylate, Hexamethylene diacrylate, 4-hydroxybutyl acrylate,

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

**Signal word**

Danger

**Hazard statements**

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H360 - May damage fertility or the unborn child

H412 - Harmful to aquatic life with long lasting effects

**Precautionary Statements - EU (§28, 1272/2008)**

P201 - Obtain special instructions before use

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor

**2.3. Other hazards**

Toxic to aquatic life.

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT) This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors.**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable

**3.2 Mixtures**

| Chemical name   | Weight-% | REACH registration number | EC No (EU Index No)         | Classification according to Regulation (EC) No. 1272/2008 [CLP]  | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|---|----------|---------------------------|-----------------------------|--|------------------------------------|----------|----------------------|
| Oxybis(methyl-2,1-ethanediy) diacrylate<br>57472-68-1 | 40 - 50  | No data available         | 260-754-3                   | Skin Irrit. 2 (H315)<br>Skin Sens. 1 (H317)<br>Eye Dam. 1 (H318) | -                                  | -        | -                    |
| Hexamethylene diacrylate<br>13048-33-4                | 5 - 10   | No data available         | (607-109-00-8)<br>235-921-9 | Skin Irrit. 2 (H315)<br>Eye Irrit. 2                             | -                                  | -        | -                    |

|   |           |                   |                             |   |   |   |   |
|---|-----------|-------------------|-----------------------------|---|---|---|---|
|   |           |                   |                             | (H319)<br>Skin Sens. 1<br>(H317)<br>Aquatic Acute<br>1 (H400)<br>Aquatic<br>Chronic 2<br>(H411)               |   |   |   |
| Hexamethylene diisocyanate, oligomerisation product, blocked with 3,5-Dimethyl-1H-pyrazole<br>163206-31-3 | 5 - 10    | No data available | No information available    | Skin Irrit. 2<br>(H315)<br>Eye Irrit. 2<br>(H319)   | -   | - | - |
| 4-hydroxybutyl acrylate<br>2478-10-6  | 1 - 5     | No data available | 219-606-3                   | Acute Tox. 4<br>(H302)<br>Skin Irrit. 2<br>(H315)<br>Eye Dam. 1<br>(H318)<br>Skin Sens. 1<br>(H317)           | -   | - | - |
| 2-(dimethylamino)-2-[4-(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one<br>119344-86-4     | 1 - < 3   | No data available | 438-340-0                   | Repr. 2 (H361)  | -   | - | - |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide<br>75980-60-8   | 0.5 - < 1 | No data available | (015-203-00-X)<br>278-355-8 | Skin Sens. 1<br>(H317)<br>Repr. 1B<br>(H360)<br>Aquatic<br>Chronic 2<br>(H411)                                | -   | - | - |
| Melamine<br>108-78-1  | 0.5 - < 1 | No data available | (613-345-00-2)<br>203-615-4 | Carc. 2 (H351)<br>STOT RE 2<br>(H373)   | -   | - | - |
| Bisphenol A - Epichlorohydrin polymer<br>25068-38-6   | 0.1 - 0.5 | No data available | 500-033-5                   | Skin Irrit. 2<br>(H315)<br>Eye Irrit. 2<br>(H319)<br>Skin Sens. 1<br>(H317)<br>Aquatic<br>Chronic 2<br>(H411) | Eye Irrit. 2 ::<br>C>=5%<br>Skin Irrit. 2 ::<br>C>=5% | - | - |
| C.I. Pigment Blue 15<br>147-14-8  | 0.1 - 0.5 | No data available | 205-685-1                   | [C], [I]  | -   | - | - |
| Propylene glycol monomethyl ether acetate<br>108-65-6   | < 0.1     | No data available | (607-195-00-7)<br>203-603-9 | Flam. Liq. 3<br>(H226)  | -   | - | - |
| Phenoxyethanol<br>122-99-6  | < 0.1     | No data available | (603-098-00-9)<br>204-589-7 | Acute Tox. 4<br>(H302)<br>Eye Dam. 1<br>(H318)<br>STOT SE 3<br>(H335)   | -   | - | - |

Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes

[C] - Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring

[I] - Restricted substance per REACH Annex XVII

**Full text of H- and EUH-phrases: see section 16**

#### Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

| Chemical name   | Oral LD50 mg/kg   | Dermal LD50 mg/kg | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapour - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|---|-------------------|-------------------|---|--|--------------------------------------|
| Oxybis(methyl-2,1-ethanedyl) diacrylate<br>57472-68-1   | 4600              | 2002              | No data available                           | No data available                        | No data available                    |
| Hexamethylene diacrylate<br>13048-33-4  | 5000              | 3600              | No data available                           | No data available                        | No data available                    |
| 4-hydroxybutyl acrylate<br>2478-10-6  | No data available | 2002              | No data available                           | No data available                        | No data available                    |
| 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one<br>119344-86-4 | 2002              | 2002              | No data available                           | No data available                        | No data available                    |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide<br>75980-60-8                                       | No data available | 2002              | No data available                           | No data available                        | No data available                    |
| Melamine<br>108-78-1  | 3161              | 1001              | No data available                           | No data available                        | No data available                    |
| Bisphenol A - Epichlorohydrin polymer<br>25068-38-6   | 11400             | No data available | No data available                           | No data available                        | No data available                    |
| C.I. Pigment Blue 15<br>147-14-8  | 10010             | 5005              | No data available                           | No data available                        | No data available                    |
| Propylene glycol monomethyl ether acetate<br>108-65-6   | 8532              | 5005              | 24  | No data available                        | No data available                    |
| Phenoxyethanol<br>122-99-6  | 1394 +<br>1850    | 5550              | 0.1141                                      | No data available                        | No data available                    |

+ This value is the harmonised acute toxicity estimate (ATE) listed in CLP Annex VI, Part 3. This harmonised ATE value must be used when calculating the acute toxicity estimate (ATEmix) for classifying a mixture containing the listed substance

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General advice

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

#### Inhalation

Remove to fresh air. Get medical attention immediately if symptoms occur.

#### Eye contact

Get immediate medical attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue

rinsing. Keep eye wide open while rinsing. Do not rub affected area.

|   |   |
|---|---|
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. |
| <b>Ingestion</b>                          | Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.  |
| <b>Self-protection of the first aider</b> | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).   |

#### **4.2. Most important symptoms and effects, both acute and delayed**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Burning sensation. Itching. Rashes. Hives. |
|-----------------|--|

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

|                        |  |
|------------------------|--|
| <b>Note to doctors</b> | May cause sensitisation in susceptible persons. Treat symptomatically. |
|------------------------|--|

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

|                                     |  |
|-------------------------------------|--|
| <b>Suitable Extinguishing Media</b> | Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Foam. |
|-------------------------------------|--|

|                                       |        |
|---------------------------------------|--------|
| <b>Unsuitable extinguishing media</b> | Water. |
|---------------------------------------|--------|

#### **5.2. Special hazards arising from the substance or mixture**

|   |   |
|---|---|
| <b>Specific hazards arising from the chemical</b> | Product is or contains a sensitiser. May cause sensitisation by skin contact. |
|---|---|

#### **5.3. Advice for firefighters**

|  |  |
|--|--|
| <b>Specific/special fire-fighting measures</b> | Fires need to be assessed to determine appropriate protocols and safety measures for firefighting, including establishing safe zones, extinguishing media to be used, firefighter protection, and actions to control or extinguish the fire. |
|--|--|

|   |  |
|---|--|
| <b>Special protective equipment and precautions for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |
|---|--|

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

|                             |  |
|-----------------------------|--|
| <b>Personal precautions</b> | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. |
|-----------------------------|--|

|                          |  |
|--------------------------|--|
| <b>Other information</b> | Refer to protective measures listed in Sections 7 and 8. |
|--------------------------|--|

|                                 |   |
|---------------------------------|---|
| <b>For emergency responders</b> | Use personal protection recommended in Section 8. |
|---------------------------------|---|

#### **6.2. Environmental precautions**

|                                  |   |
|----------------------------------|---|
| <b>Environmental precautions</b> | Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Avoid release to the environment. |
|----------------------------------|---|

#### **6.3. Methods and material for containment and cleaning up**

|                                |   |
|--------------------------------|---|
| <b>Methods for containment</b> | Prevent further leakage or spillage if safe to do so. |
|--------------------------------|---|

|  |   |
|--|---|
| <b>Methods for cleaning up</b>         | Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly. |
| <b>Prevention of secondary hazards</b> | Clean contaminated objects and areas thoroughly observing environmental regulations.  |

#### 6.4. Reference to other sections

|                                    |  |
|------------------------------------|--|
| <b>Reference to other sections</b> | See section 8 for more information See section 13 for more information |
|------------------------------------|--|

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

|                                       |   |
|---------------------------------------|---|
| <b>Advice on safe handling</b>        | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash it before reuse. Remove contaminated clothing and shoes. |
| <b>General hygiene considerations</b> | Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.   |

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

|                                 |  |
|---------------------------------|--|
| <b>Storage Conditions</b>       | Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. |
| <b>Storage class (TRGS 510)</b> | LGK 6.1C.  |

### 7.3. Specific end use(s)

|                        |   |
|------------------------|---|
| <b>Specific use(s)</b> | The identified uses for this product are detailed in Section 1.2. |
|------------------------|---|

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

#### **Exposure Limits**

| Chemical name  | European Union   | Austria   | Belgium   | Bulgaria  | Croatia  |
|--|--|---|---|---|--|
| Bisphenol A -<br>Epichlorohydrin polymer<br>25068-38-6   | -  | -   | -   | TWA: 1.0 mg/m <sup>3</sup>  | -  |
| C.I. Pigment Blue 15<br>147-14-8                         | -  | TWA: 1 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup><br>STEL 4 mg/m <sup>3</sup><br>STEL 0.4 mg/m <sup>3</sup>                            | -   | -   | -  |
| Propylene glycol<br>monomethyl ether acetate<br>108-65-6 | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>* | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL 100 ppm<br>STEL 550 mg/m <sup>3</sup><br>H*   | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>D* | STEL: 100 ppm<br>STEL: 550.0 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 275.0 mg/m <sup>3</sup><br>K* | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>* |
| Phenoxyethanol<br>122-99-6                               | -  | TWA: 20 ppm<br>TWA: 110 mg/m <sup>3</sup><br>STEL 20 ppm<br>STEL 110 mg/m <sup>3</sup><br>Ceiling: 20 ppm<br>Ceiling: 110 mg/m <sup>3</sup> | -   | -   | -  |

| Chemical name  | Cyprus  | Czech Republic   | Denmark  | Estonia   | Finland   |
|--|---|--|--|---|---|
| C.I. Pigment Blue 15<br>147-14-8                         | -   | -  | -  | -   | TWA: 0.02 mg/m <sup>3</sup>   |
| Propylene glycol<br>monomethyl ether acetate<br>108-65-6 | *<br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup>        | TWA: 270 mg/m <sup>3</sup><br>Ceiling: 550 mg/m <sup>3</sup><br>D*                                 | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>H*  | S+<br>TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>A* | TWA: 50 ppm<br>TWA: 270 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>iho*         |
| Phenoxyethanol<br>122-99-6                               | -   | -  | -  | -   | TWA: 20 ppm<br>TWA: 110 mg/m <sup>3</sup><br>STEL: 50 ppm<br>STEL: 290 mg/m <sup>3</sup><br>iho*          |
| Chemical name  | France  | Germany TRGS   | Germany DFG  | Greece  | Hungary   |
| Hexamethylene diacrylate<br>13048-33-4                   | -   | -  | skin sensitizer  | -   | -   |
| C.I. Pigment Blue 15<br>147-14-8                         | -   | -  | -  | -   | TWA: 0.1 mg/m <sup>3</sup><br>STEL: 0.2 mg/m <sup>3</sup>   |
| Propylene glycol<br>monomethyl ether acetate<br>108-65-6 | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>*        | TWA: 50 ppm<br>TWA: 270 mg/m <sup>3</sup>  | TWA: 50 ppm<br>TWA: 270 mg/m <sup>3</sup><br>Peak: 50 ppm<br>Peak: 270 mg/m <sup>3</sup> | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>*        | TWA: 275 mg/m <sup>3</sup><br>STEL: 550 mg/m <sup>3</sup>   |
| Phenoxyethanol<br>122-99-6                               | -   | TWA: 1 ppm<br>TWA: 5.7 mg/m <sup>3</sup>   | TWA: 1 ppm<br>TWA: 5.7 mg/m <sup>3</sup><br>Peak: 1 ppm<br>Peak: 5.7 mg/m <sup>3</sup>   | -   | -   |
| Chemical name  | Ireland   | Italy MDLPS  | Italy AIDII  | Latvia  | Lithuania   |
| Melamine<br>108-78-1                                     | -   | -  | -  | -   | TWA: 0.5 mg/m <sup>3</sup>  |
| C.I. Pigment Blue 15<br>147-14-8                         | -   | -  | TWA: 1 mg/m <sup>3</sup>   | TWA: 5 mg/m <sup>3</sup>  | TWA: 5 mg/m <sup>3</sup>  |
| Propylene glycol<br>monomethyl ether acetate<br>108-65-6 | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>Sk*      | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>cute* | -  | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>Ada*     | O*<br>TWA: 50 ppm<br>TWA: 250 mg/m <sup>3</sup><br>STEL: 75 ppm<br>STEL: 400 mg/m <sup>3</sup>            |
| Chemical name  | Luxembourg  | Malta  | Netherlands  | Norway  | Poland  |
| Propylene glycol<br>monomethyl ether acetate<br>108-65-6 | Peau*<br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup>    | skin*<br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup> | TWA: 550 mg/m <sup>3</sup>   | TWA: 50 ppm<br>TWA: 270 mg/m <sup>3</sup><br>STEL: 75 ppm<br>STEL: 337.5 mg/m <sup>3</sup><br>H*      | STEL: 520 mg/m <sup>3</sup><br>TWA: 260 mg/m <sup>3</sup><br>skóra*                                       |
| Phenoxyethanol<br>122-99-6                               | -   | -  | -  | -   | TWA: 230 mg/m <sup>3</sup>  |
| Chemical name  | Portugal  | Romania  | Slovakia   | Slovenia  | Spain   |
| C.I. Pigment Blue 15<br>147-14-8                         | -   | -  | -  | -   | TWA: 0.01 mg/m <sup>3</sup>   |
| Propylene glycol<br>monomethyl ether acetate<br>108-65-6 | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>Cutânea* | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>P*    | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>K*<br>Ceiling: 550 mg/m <sup>3</sup>        | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>K*       | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 550 mg/m <sup>3</sup><br>via dérmica* |
| Phenoxyethanol<br>122-99-6                               | -   | -  | -  | TWA: 5.7 mg/m <sup>3</sup><br>TWA: 1 ppm<br>STEL: 1 ppm<br>STEL: 5.7 mg/m <sup>3</sup>                | -   |
| Chemical name  | Sweden  |  | Switzerland  | United Kingdom  |   |

|  |   |  |  |
|--|---|--|--|
| Oxybis(methyl-2,1-ethanediyl) diacrylate<br>57472-68-1 | -   | S+   | -  |
| Hexamethylene diacrylate<br>13048-33-4                 | -   | S+   | -  |
| 4-hydroxybutyl acrylate<br>2478-10-6                   | -   | S+   | -  |
| C.I. Pigment Blue 15<br>147-14-8                       | -   | -  | TWA: 1 mg/m <sup>3</sup><br>STEL: 2 mg/m <sup>3</sup>  |
| Propylene glycol monomethyl ether acetate<br>108-65-6  | NGV: 50 ppm<br>NGV: 275 mg/m <sup>3</sup><br>Bindande KGV: 100 ppm<br>Bindande KGV: 550 mg/m <sup>3</sup><br>H* | TWA: 50 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 50 ppm<br>STEL: 275 mg/m <sup>3</sup> | TWA: 50 ppm<br>TWA: 274 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 548 mg/m <sup>3</sup><br>Sk* |
| Phenoxyethanol<br>122-99-6                             | -   | TWA: 20 ppm<br>TWA: 110 mg/m <sup>3</sup><br>STEL: 20 ppm<br>STEL: 110 mg/m <sup>3</sup> | -  |

**Biological occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL) - Workers**

| Chemical name   | Oral | Dermal  | Inhalation   |
|---|------|---|--|
| Oxybis(methyl-2,1-ethanediyl) diacrylate<br>57472-68-1  | -    | 2.77 mg/kg bw/day [4] [6]                             | 24.48 mg/m <sup>3</sup> [4] [6]                                    |
| Hexamethylene diacrylate<br>13048-33-4  | -    | 2.77 mg/kg bw/day [4] [6]                             | 24.5 mg/m <sup>3</sup> [4] [6]                                     |
| Hexamethylene diisocyanate, oligomerisation product, blocked with 3,5-Dimethyl-1H-pyrazole<br>163206-31-3 | -    | -   | 0.005 mg/m <sup>3</sup> [5] [6]<br>0.025 mg/m <sup>3</sup> [5] [7] |
| 4-hydroxybutyl acrylate<br>2478-10-6  | -    | 8.2 mg/kg bw/day [4] [6]                              | 3 mg/m <sup>3</sup> [5] [6]<br>3 mg/m <sup>3</sup> [5] [7]         |
| 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one<br>119344-86-4       | -    | 0.233 mg/kg bw/day [4] [6]                            | 1.64 mg/m <sup>3</sup> [4] [6]                                     |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide<br>75980-60-8   | -    | 0.233 mg/kg bw/day [4] [6]                            | 0.822 mg/m <sup>3</sup> [4] [6]                                    |
| Melamine<br>108-78-1  | -    | 11.8 mg/kg bw/day [4] [6]<br>117 mg/kg bw/day [4] [7] | 8.3 mg/m <sup>3</sup> [4] [6]<br>82.3 mg/m <sup>3</sup> [4] [7]    |
| C.I. Pigment Blue 15<br>147-14-8  | -    | 450 mg/kg bw/day [4] [6]                              | 4 mg/m <sup>3</sup> [4] [6]  |
| Propylene glycol monomethyl ether acetate<br>108-65-6   | -    | 796 mg/kg bw/day [4] [6]                              | 275 mg/m <sup>3</sup> [4] [6]<br>550 mg/m <sup>3</sup> [5] [7]     |
| Phenoxyethanol<br>122-99-6  | -    | 20.83 mg/kg bw/day [4] [6]                            | 5.7 mg/m <sup>3</sup> [4] [6]<br>5.7 mg/m <sup>3</sup> [5] [6]     |

**Notes**

[4]

Systemic health effects.

[5]

Local health effects.

[6]

Long term.



[7] Short term.

#### Derived No Effect Level (DNEL) - General Public

| Chemical name   | Oral   | Dermal | Inhalation   |
|---|--|--------|--|
| Oxybis(methyl-2,1-ethanediyl) diacrylate<br>57472-68-1  | 2.08 mg/kg bw/day [4] [6]                              | -      | 7.24 mg/m <sup>3</sup> [4] [6]                                       |
| Hexamethylene diacrylate<br>13048-33-4  | 2.1 mg/kg bw/day [4] [6]                               | -      | 7.2 mg/m <sup>3</sup> [4] [6]  |
| Hexamethylene diisocyanate, oligomerisation product, blocked with 3,5-Dimethyl-1H-pyrazole<br>163206-31-3 | -  | -      | 0.0009 mg/m <sup>3</sup> [5] [6]<br>0.0045 mg/m <sup>3</sup> [5] [7] |
| 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one<br>119344-86-4       | 83.3 µg/kg bw/day [4] [6]                              | -      | 0.29 mg/m <sup>3</sup> [4] [6]                                       |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide<br>75980-60-8   | 83.3 µg/kg bw/day [4] [6]                              | -      | 0.145 mg/m <sup>3</sup> [4] [6]                                      |
| Melamine<br>108-78-1  | 0.42 mg/kg bw/day [4] [6]                              | -      | 1.5 mg/m <sup>3</sup> [4] [6]  |
| C.I. Pigment Blue 15<br>147-14-8  | 45 mg/kg bw/day [4] [6]                                | -      | -  |
| Propylene glycol monomethyl ether acetate<br>108-65-6   | 36 mg/kg bw/day [4] [6]                                | -      | 33 mg/m <sup>3</sup> [4] [6]<br>33 mg/m <sup>3</sup> [5] [6]         |
| Phenoxyethanol<br>122-99-6  | 9.23 mg/kg bw/day [4] [6]<br>9.23 mg/kg bw/day [4] [7] | -      | 2.41 mg/m <sup>3</sup> [4] [6]<br>2.41 mg/m <sup>3</sup> [5] [6]     |

#### Notes

- [4] Systemic health effects.  
 [5] Local health effects.  
 [6] Long term.  
 [7] Short term.

#### Predicted No Effect Concentration (PNEC)

| Chemical name   | Freshwater   | Freshwater (intermittent release) | Marine water  | Marine water (intermittent release) | Air |
|---|--------------|-----------------------------------|---------------|-------------------------------------|-----|
| Oxybis(methyl-2,1-ethanediyl) diacrylate<br>57472-68-1  | 0.0034 mg/L  | 0.034 mg/L                        | 0.00034 mg/L  | -                                   | -   |
| Hexamethylene diacrylate<br>13048-33-4  | 0.00723 mg/L | -                                 | 0.000723 mg/L | -                                   | -   |
| 4-hydroxybutyl acrylate<br>2478-10-6  | 0.0136 mg/L  | 0.136 mg/L                        | 0.00136 mg/L  | -                                   | -   |
| 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one<br>119344-86-4 | 3.1 µg/L     | 1 mg/L                            | 0.31 µg/L     | 0.1 mg/L                            | -   |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide<br>75980-60-8                                       | 1.4 µg/L     | 14 µg/L                           | 0.14 µg/L     | 1.4 µg/L                            | -   |
| Melamine  | 0.51 mg/L    | 2 mg/L                            | 0.051 mg/L    | -                                   | -   |

| Chemical name   | Freshwater | Freshwater<br>(intermittent release) | Marine water | Marine water<br>(intermittent release) | Air |
|---|------------|--------------------------------------|--------------|--|-----|
| 108-78-1  |            |                                      |              |  |     |
| Propylene glycol monomethyl ether acetate<br>108-65-6 | 0.635 mg/L | 6.35 mg/L                            | 0.0635 mg/L  | -                                      | -   |
| Phenoxyethanol<br>122-99-6                            | 0.943 mg/L | 3.44 mg/L                            | 0.0943 mg/L  | -                                      | -   |

| Chemical name   | Freshwater sediment          | Marine sediment              | Sewage treatment | Soil                    | Food chain |
|---|------------------------------|------------------------------|------------------|-------------------------|------------|
| Oxybis(methyl-2,1-ethaned<br>yl) diacrylate<br>57472-68-1   | 0.00884 mg/kg<br>sediment dw | -                            | 100 mg/L         | 0.0013 mg/kg soil<br>dw | -          |
| Hexamethylene diacrylate<br>13048-33-4  | 0.493 mg/kg<br>sediment dw   | 0.0493 mg/kg<br>sediment dw  | 2.7 mg/L         | 0.094 mg/kg soil dw     | -          |
| Hexamethylene diisocyanate,<br>oligomerisation product,<br>blocked with<br>3,5-Dimethyl-1H-pyrrazole<br>163206-31-3 | -                            | -                            | 100 mg/L         | -                       | -          |
| 4-hydroxybutyl acrylate<br>2478-10-6  | 0.086 mg/kg<br>sediment dw   | 0.00856 mg/kg<br>sediment dw | 10 mg/L          | 0.0367 mg/kg soil<br>dw | -          |
| 2-(dimethylamino)-2-[(4-m<br>ethylphenyl)methyl]-1-[4-(<br>morpholin-4-yl)phenyl]buta<br>n-1-one<br>119344-86-4     | 1.07 mg/kg<br>sediment dw    | 0.107 mg/kg<br>sediment dw   | 10 mg/L          | 0.213 mg/kg soil dw     | -          |
| Diphenyl(2,4,6-trimethylbe<br>nzoyl)phosphine oxide<br>75980-60-8   | 0.115 mg/kg<br>sediment dw   | 11.5 µg/kg sediment<br>dw    | -                | 22.2 µg/kg soil dw      | -          |
| Melamine<br>108-78-1  | 2.524 mg/kg<br>sediment dw   | 0.2524 mg/kg<br>sediment dw  | 200 mg/L         | 0.206 mg/kg soil dw     | -          |
| C.I. Pigment Blue 15<br>147-14-8  | 10 mg/kg sediment<br>dw      | 1 mg/kg sediment<br>dw       | -                | 1 mg/kg soil dw         | -          |
| Propylene glycol monomethyl ether acetate<br>108-65-6   | 3.29 mg/kg<br>sediment dw    | 0.329 mg/kg<br>sediment dw   | 100 mg/L         | 0.29 mg/kg soil dw      | -          |
| Phenoxyethanol<br>122-99-6  | 7.2366 mg/kg<br>sediment dw  | 0.7237 mg/kg<br>sediment dw  | 36 mg/L          | 1.31 mg/kg soil dw      | -          |

## 8.2. Exposure controls

### Engineering controls

Showers  
Eyewash stations  
Ventilation systems.

### Personal protective equipment

#### Eye/face protection

Tight sealing safety goggles.

#### Hand protection

Wear suitable gloves. Impervious gloves.

|  |   |
|--|---|
| <b>Skin and body protection</b>        | Wear suitable protective clothing. Long sleeved clothing.   |
| <b>Respiratory protection</b>          | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.  |
| <b>General hygiene considerations</b>  | Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. |
| <b>Environmental exposure controls</b> | Avoid release to the environment.   |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

|                        |                          |
|------------------------|--------------------------|
| <b>Physical state</b>  | Liquid                   |
| <b>Colour</b>          | Green                    |
| <b>Odour</b>           | Mild                     |
| <b>Odour threshold</b> | No information available |

#### Property

#### Values

#### Remarks • Method

|  |        |                   |
|--|--------|-------------------|
| <b>Melting point / freezing point</b>          |        | No data available |
| <b>Initial boiling point and boiling range</b> |        | No data available |
| <b>Flammability</b>                            |        | No data available |
| <b>Flammability Limit in Air</b>               |        |                   |
| <b>Upper flammability or explosive limits</b>  |        | No data available |
| <b>Lower flammability or explosive limits</b>  |        | No data available |
| <b>Flash point</b>                             | 110 °C |                   |
| <b>Autoignition temperature</b>                |        | No data available |
| <b>Decomposition temperature</b>               |        | No data available |
| <b>pH</b>                                      |        | No data available |
| <b>pH (as aqueous solution)</b>                |        | No data available |
| <b>Kinematic viscosity</b>                     |        | No data available |
| <b>Dynamic viscosity</b>                       |        | No data available |
| <b>Water solubility</b>                        |        | No data available |
| <b>Solubility(ies)</b>                         |        | No data available |
| <b>Partition coefficient</b>                   |        | No data available |
| <b>Vapour pressure</b>                         |        | No data available |
| <b>Relative density</b>                        |        | No data available |
| <b>Bulk density</b>                            |        | No data available |
| <b>Liquid Density</b>                          |        | No data available |
| <b>Vapour density</b>                          |        | No data available |
| <b>Particle characteristics</b>                |        |                   |
| <b>Particle Size</b>                           |        | No data available |
| <b>Particle Size Distribution</b>              |        | No data available |

### 9.2. Other information

**VOC content** 0 %

9.2.1. Information with regards to physical hazard classes  
Not applicable

9.2.2. Other safety characteristics  
No information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** None under normal use conditions.

#### 10.2. Chemical stability

**Stability** Stable under normal conditions.

#### **Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

#### 10.4. Conditions to avoid

**Conditions to avoid** None known based on information supplied.

#### 10.5. Incompatible materials

**Incompatible materials** None known based on information supplied.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None known based on information supplied.

### **SECTION 11: Toxicological information**

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

##### Information on likely routes of exposure

##### **Product Information**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.  |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.   |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. May cause sensitisation by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation. |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.  |

##### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Redness. Burning. May cause blindness. Itching. Rashes. Hives. May cause redness and tearing of the eyes.

##### Acute toxicity

##### **Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document:

**ATEmix (oral)** > 2,000 mg/kg

**ATEmix (dermal)** > 2,000 mg/kg

### Component Information

| Chemical name   | Oral LD50             | Dermal LD50             | Inhalation LC50                       |
|---|-----------------------|-------------------------|---------------------------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate  | = 4600 mg/kg ( Rat )  | > 2000 mg/kg ( Rabbit ) | -                                     |
| Hexamethylene diacrylate  | = 5 g/kg ( Rat )      | = 3600 mg/kg ( Rabbit ) | -                                     |
| Hexamethylene diisocyanate, oligomerisation product, blocked with 3,5-Dimethyl-1H-pyrrazole | -                     | -                       | > 2379 mg/m <sup>3</sup> ( Rat ) 4 h  |
| 4-hydroxybutyl acrylate   | -                     | > 2000 mg/kg ( Rat )    | -                                     |
| 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one        | > 2000 mg/kg ( Rat )  | > 2000 mg/kg ( Rat )    | -                                     |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide   | -                     | > 2000 mg/kg ( Rat )    | -                                     |
| Melamine  | = 3161 mg/kg ( Rat )  | > 1 g/kg ( Rabbit )     | -                                     |
| Bisphenol A - Epichlorohydrin polymer   | = 11400 mg/kg ( Rat ) | -                       | -                                     |
| C.I. Pigment Blue 15  | > 10000 mg/kg ( Rat ) | > 5000 mg/kg ( Rat )    | -                                     |
| Propylene glycol monomethyl ether acetate   | = 8532 mg/kg ( Rat )  | > 5 g/kg ( Rabbit )     | = 16000 mg/m <sup>3</sup> ( Rat ) 6 h |
| Phenoxyethanol  | = 1850 mg/kg ( Rat )  | = 5 mL/kg ( Rabbit )    | > 0.057 mg/L ( Rat ) 8 h              |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>         | Classification based on data available for ingredients. Causes skin irritation.                  |
| <b>Serious eye damage/eye irritation</b> | Classification based on data available for ingredients. Causes burns. Causes serious eye damage. |
| <b>Respiratory or skin sensitisation</b> | May cause an allergic skin reaction.   |
| <b>Germ cell mutagenicity</b>            | No information available.  |
| <b>Carcinogenicity</b>                   | Based on available data, the classification criteria are not met.                                |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name | European Union |
|---------------|----------------|
| Melamine      | Carc. 2        |

|                              |   |
|------------------------------|---|
| <b>Reproductive toxicity</b> | Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child. |
|------------------------------|---|

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

| Chemical name                                   | European Union |
|---|----------------|
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | Repr. 2        |

|                               |                           |
|-------------------------------|---------------------------|
| <b>STOT - single exposure</b> | No information available. |
|-------------------------------|---------------------------|

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

### 11.2.2. Other information

**Other adverse effects** No information available.

## **SECTION 12: Ecological information**

### 12.1. Toxicity

**Ecotoxicity** Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

| Chemical name  | Algae/aquatic plants                          | Fish  | Toxicity to microorganisms | Crustacea                            |
|--|---|---|----------------------------|--------------------------------------|
| Hexamethylene diisocyanate, oligomerisation product, blocked with 3,5-Dimethyl-1H-pyrazole 163206-31-3 | -   | LC50: =562mg/L (96h, Danio rerio)   | -                          | -                                    |
| Melamine 108-78-1  | EC50: =940mg/L (96h, Scenedesmus pannonicus)  | LC50: >3000mg/L (96h, Poecilia reticulata)  | -                          | EC50: >2000mg/L (48h, Daphnia magna) |
| Propylene glycol monomethyl ether acetate 108-65-6   | -   | LC50: =161mg/L (96h, Pimephales promelas)   | -                          | EC50: >500mg/L (48h, Daphnia magna)  |
| Phenoxyethanol 122-99-6  | EC50: >500mg/L (72h, Desmodosmus subspicatus) | LC50: 337 - 352mg/L (96h, Pimephales promelas)<br>LC50: =366mg/L (96h, Pimephales promelas) | -                          | EC50: >500mg/L (48h, Daphnia magna)  |

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

### 12.3. Bioaccumulative potential

#### Bioaccumulation

##### Component Information

| Chemical name  | Partition coefficient |
|--|-----------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate   | 0.39                  |
| Hexamethylene diacrylate   | 2.81                  |
| Hexamethylene diisocyanate, oligomerisation product, blocked with 3,5-Dimethyl-1H-pyrazole | 6.4                   |
| 4-hydroxybutyl acrylate  | 0.77                  |
| 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one       | 5.73                  |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide  | 3.1                   |
| Melamine   | -1.22                 |
| C.I. Pigment Blue 15   | 6.6                   |

|   |     |
|---|-----|
| Propylene glycol monomethyl ether acetate | 1.2 |
| Phenoxyethanol                            | 1.2 |

**12.4. Mobility in soil**

**Mobility in soil** No information available.

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

| Chemical name  | PBT and vPvB assessment         |
|--|---------------------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate<br>57472-68-1   | The substance is not PBT / vPvB |
| Hexamethylene diacrylate<br>13048-33-4   | The substance is not PBT / vPvB |
| Hexamethylene diisocyanate, oligomerisation product, blocked with<br>3,5-Dimethyl-1H-pyrazole<br>163206-31-3 | The substance is not PBT / vPvB |
| 4-hydroxybutyl acrylate<br>2478-10-6   | The substance is not PBT / vPvB |
| 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one<br>119344-86-4          | The substance is not PBT / vPvB |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide<br>75980-60-8  | The substance is not PBT / vPvB |
| Melamine<br>108-78-1   | The substance is not PBT / vPvB |
| Bisphenol A - Epichlorohydrin polymer<br>25068-38-6  | The substance is not PBT / vPvB |
| C.I. Pigment Blue 15<br>147-14-8   | The substance is not PBT / vPvB |
| Propylene glycol monomethyl ether acetate<br>108-65-6  | The substance is not PBT / vPvB |
| Phenoxyethanol<br>122-99-6   | The substance is not PBT / vPvB |

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

**12.7. Other adverse effects**

**Other adverse effects** No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**Waste codes / waste designations according to EWC / AVV** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

**SECTION 14: Transport information**

|  |                          |
|--|--------------------------|
| <b>IMDG</b>  | Not regulated            |
| 14.1 UN number or ID number                                  | Not regulated            |
| 14.2 UN proper shipping name                                 | Not regulated            |
| 14.3 Transport hazard class(es)                              | Not regulated            |
| 14.4 Packing group   | Not regulated            |
| 14.5 Environmental hazards                                   | Not applicable           |
| 14.6 Special Precautions for Users                           |                          |
| Special Provisions   | None                     |
| 14.7 Maritime transport in bulk according to IMO instruments | No information available |

|                                    |                |
|------------------------------------|----------------|
| <b>RID</b>                         | Not regulated  |
| 14.1 UN number                     | Not regulated  |
| 14.2 UN proper shipping name       | Not regulated  |
| 14.3 Transport hazard class(es)    | Not regulated  |
| 14.4 Packing group                 | Not regulated  |
| 14.5 Environmental hazards         | Not applicable |
| 14.6 Special Precautions for Users |                |
| Special Provisions                 | None           |

|                                    |                |
|------------------------------------|----------------|
| <b>ADR</b>                         | Not regulated  |
| 14.1 UN number or ID number        | Not regulated  |
| 14.2 UN proper shipping name       | Not regulated  |
| 14.3 Transport hazard class(es)    | Not regulated  |
| 14.4 Packing group                 | Not regulated  |
| 14.5 Environmental hazards         | Not applicable |
| 14.6 Special Precautions for Users |                |
| Special Provisions                 | None           |

|                                    |                |
|------------------------------------|----------------|
| <b>IATA</b>                        | Not regulated  |
| 14.1 UN number or ID number        | Not regulated  |
| 14.2 UN proper shipping name       | Not regulated  |
| 14.3 Transport hazard class(es)    | Not regulated  |
| 14.4 Packing group                 | Not regulated  |
| 14.5 Environmental hazards         | Not applicable |
| 14.6 Special Precautions for Users |                |
| Special Provisions                 | None           |
| Note:                              | None           |

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****France****Occupational Illnesses (R-463-3, France)**

| Chemical name   | French RG number |
|---|------------------|
| Propylene glycol monomethyl ether acetate<br>108-65-6 | RG 84            |
| Phenoxyethanol<br>122-99-6                            | RG 84            |

**Germany**

**Water hazard class (WGK)** obviously hazardous to water (WGK 2)



**Netherlands**

| Chemical name                                   | Netherlands - List of Carcinogens | Netherlands - List of Mutagens | Netherlands - List of Reproductive Toxins |
|---|-----------------------------------|--------------------------------|---|
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | -                                 | -                              | Fertility Category 2                      |

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorisations and/or restrictions on use:**

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name  | Restricted substance per REACH Annex XVII | Substance subject to authorisation per REACH Annex XIV |
|--|---|--|
| Hexamethylene diacrylate - 13048-33-4                        | 75.                                       | -  |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide - 75980-60-8 | 75.                                       | -  |
| Bisphenol A - Epichlorohydrin polymer - 25068-38-6           | 75.                                       | -  |
| C.I. Pigment Blue 15 - 147-14-8                              | 75.                                       | -  |
| Phenoxyethanol - 122-99-6                                    | 75.                                       | -  |

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**Biocidal Products Regulation (EU) No 528/2012 (BPR)**

| Chemical name             | Biocidal Products Regulation (EU) No 528/2012 (BPR)  |
|---------------------------|--|
| Phenoxyethanol - 122-99-6 | Product-type 1: Human hygiene Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 4: Food and feed area Product-type 6: Preservatives for products during storage Product-type 13: Working or cutting fluid preservatives |

**International Inventories**

Contact supplier for inventory compliance status

**15.2. Chemical safety assessment****Chemical Safety Report**

No information available

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet**

Full text of H-Statements referred to under section 3

H226 - Flammable liquid and vapour  
 H302 - Harmful if swallowed  
 H315 - Causes skin irritation  
 H317 - May cause an allergic skin reaction  
 H318 - Causes serious eye damage  
 H319 - Causes serious eye irritation  
 H335 - May cause respiratory irritation  
 H351 - Suspected of causing cancer  
 H360 - May damage fertility or the unborn child  
 H361 - Suspected of damaging fertility or the unborn child  
 H373 - May cause damage to organs through prolonged or repeated exposure  
 H400 - Very toxic to aquatic life  
 H411 - Toxic to aquatic life with long lasting effects

**Legend**

ATE: Acute Toxicity Estimate  
 SVHC: Substances of Very High Concern for Authorisation:  
 PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals  
 vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA                      TWA (time-weighted average)                      STEL                      STEL (Short Term Exposure Limit)  
 Ceiling                      Maximum limit value                      \*                      Skin designation

| Classification procedure  |                    |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity   | Calculation method |
| Acute dermal toxicity   | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapour                              | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitisation                                       | Calculation method |
| Skin sensitisation  | Calculation method |
| Mutagenicity  | Calculation method |
| Carcinogenicity   | Calculation method |
| STOT - single exposure  | Calculation method |
| STOT - repeated exposure  | Calculation method |
| Acute aquatic toxicity  | Calculation method |
| Chronic aquatic toxicity  | Calculation method |
| Aspiration hazard   | Calculation method |
| Ozone   | Calculation method |

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
 European Chemicals Agency (ECHA) (ECHA\_API)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
Organisation for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

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**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

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**End of Safety Data Sheet**