# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**LuxaPrint Model_Grey**



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

### 1.1. Product identifier

LuxaPrint Model_Grey

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

**Uses advised against**

pregnant or breastfeeding people should not work with hazardous substances

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


| | | |
|---|---|---|
| Company name: | DMG Digital Enterprises SE | |
| Street: | Elbgaustrasse 248 | |
| Place: | D-22547 Hamburg | |
| Telephone: | +49 40 84006-0 | Telefax: +49 40 84006-222 |
| e-mail: | info@dmg-digital.com | |
| Contact person: | A. Brunner | |
| Internet: | www.dmg-digital.com | |
| Responsible Department: | Quality Management | |


## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Skin Sens. 1B; H317
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

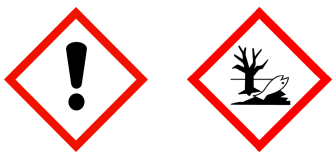
**Regulation (EC) No 1272/2008**

**Hazard components for labelling**

aliphatic urethane dimethacrylate
Tri-ethylenglycol-dimethacrylate (TEDMA)
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

**Signal word:** Warning

**Pictograms:**



**Hazard statements**

| | |
|---|---|
| H317 | May cause an allergic skin reaction. |
| H411 | Toxic to aquatic life with long lasting effects. |

**Precautionary statements**

| | |
|---|---|
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves and eye/face protection. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |

**Special labelling of certain mixtures**

20 - < 25 % of the mixture consists of ingredient(s) of unknown acute toxicity (inhalation).

### 2.3. Other hazards

Endocrine disrupting properties: 2,6-Di-tert-butyl-4-methylphenol.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous components**

| CAS No | Chemical name | | | Quantity |
|---|---|---|---|---|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 72869-86-4 | 7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers) | | | 65 - < 70 % |
| | 276-957-5 | | 01-2120751202-68 | |
| | Skin Sens. 1B, Aquatic Chronic 2; H317 H411 | | | |
| 109-16-0 | Triethylene glycol dimethacrylate | | | 20 - < 25 % |
| | 203-652-6 | | 01-2119969287-21 | |
| | Skin Sens. 1B; H317 | | | |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | | | 1 - < 5 % |
| | 278-355-8 | 015-203-00-X | 01-2119972295-29 | |
| | Repr. 2, Skin Sens. 1B, Aquatic Chronic 2; H361f H317 H411 | | | |
| 80-62-6 | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate | | | < 1 % |
| | 201-297-1 | 607-035-00-6 | 01-2119452498-28 | |
| | Flam. Liq. 2, Skin Irrit. 2, Skin Sens. 1, STOT SE 3; H225 H315 H317 H335 | | | |
| 128-37-0 | 2,6-Di-tert-butyl-4-methylphenol | | | < 1 % |
| | 204-881-4 | | 01-2119565113-46 | |
| | Aquatic Acute 1, Aquatic Chronic 1; H400 H410 | | | |
| 13463-67-7 | titanium dioxide | | | < 1 % |
| | 236-675-5 | 022-006-00-2 | 01-2119489379-17 | |
| | Carc. 2; H351 | | | |
| 111-76-2 | 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve | | | < 0.1 % |
| | 203-905-0 | 603-014-00-0 | 01-2119475108-36 | |
| | Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H302 H315 H319 | | | |

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

| CAS No | EC No | Chemical name | Quantity |
|---|---|---|---|
| | Specific Conc. Limits, M-factors and ATE | | |
| 72869-86-4 | 276-957-5 | 7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers) | 65 - < 70 % |
| | oral: LD50 = >5000 mg/kg | | |
| 109-16-0 | 203-652-6 | Triethylene glycol dimethacrylate | 20 - < 25 % |
| | dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg | | |
| 75980-60-8 | 278-355-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 1 - < 5 % |
| | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg | | |
| 80-62-6 | 201-297-1 | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate | < 1 % |
| | inhalation: LC50 = 29,8 mg/l (vapours); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg | | |
| 128-37-0 | 204-881-4 | 2,6-Di-tert-butyl-4-methylphenol | < 1 % |
| | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 6000 mg/kg Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1 | | |
| 13463-67-7 | 236-675-5 | titanium dioxide | < 1 % |
| | inhalation: LC50 = 6,82 mg/l (dusts or mists); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg | | |
| 111-76-2 | 203-905-0 | 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve | < 0.1 % |
| | inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: ATE 1200 mg/kg | | |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**After inhalation**

Move victim to fresh air. Put victim at rest and keep warm.

**After contact with skin**

After contact with skin, wash immediately with: Water and soap.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**After ingestion**

Call a physician immediately.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media**

Water fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO2).

**Unsuitable extinguishing media**

High power water jet.

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

COx, NOx

## SECTION 6: Accidental release measures

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

**General advice**

Wear suitable protective clothing. Provide adequate ventilation.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

**Other information**

Take up mechanically.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Advice on safe handling**

Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.

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

**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.
Store only in original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational exposure limits**

| CAS No | Substance | ppm | mg/m³ | fib/cm³ | Category | Origin |
|---|---|---|---|---|---|---|
| 128-37-0 | 2,6-Ditertiary-butyl-para-cresol | - | 2 | | TWA (8 h) | |
| 111-76-2 | 2-Butoxyethanol (EGBE) | 20 | 98 | | TWA (8 h) | |
| | | 50 | 246 | | STEL (15 min) | |
| 1344-28-1 | Aluminium oxides, total inhalable dust | - | 10 | | TWA (8 h) | |
| 108-31-6 | Maleic anhydride (Inhalable Fraction and Vapour) | 0.01 | - | | TWA (8 h) | |
| 80-62-6 | Methyl methacrylate | 50 | - | | TWA (8 h) | |
| | | 100 | - | | STEL (15 min) | |
| 13463-67-7 | Titanium dioxide, total inhalable dust | - | 10 | | TWA (8 h) | |

**Biological limit values**

| CAS No | Substance | Parameter | Value | Test material | Sampling time |
|---|---|---|---|---|---|
| 111-76-2 | 2-Butoxyethanol | BAA | 200 mg/g | Creatinine | End of shift |

**DNEL/DMEL values**

| CAS No | Substance | | | |
|---|---|---|---|---|
| DNEL type | | Exposure route | Effect | Value |
| 72869-86-4 | 7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers) | | | |
| Worker DNEL, long-term | | inhalation | systemic | 3,3 mg/m³ |
| Worker DNEL, long-term | | dermal | systemic | 1,3 mg/kg bw/day |
| 109-16-0 | Triethylene glycol dimethacrylate | | | |
| Worker DNEL, long-term | | inhalation | systemic | 48,5 mg/m³ |
| Worker DNEL, long-term | | dermal | systemic | 13,9 mg/kg bw/day |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | | | |
| Worker DNEL, long-term | | inhalation | systemic | 3,5 mg/m³ |
| Worker DNEL, long-term | | dermal | systemic | 1 mg/kg bw/day |
| 80-62-6 | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate | | | |
| Worker DNEL, long-term | | inhalation | systemic | 208 mg/m³ |
| Worker DNEL, long-term | | dermal | systemic | 13,7 mg/kg bw/day |
| Worker DNEL, acute | | dermal | local | 1,5 mg/cm² |
| 128-37-0 | 2,6-Di-tert-butyl-4-methylphenol | | | |
| Worker DNEL, long-term | | inhalation | systemic | 3,5 mg/m³ |
| Worker DNEL, long-term | | dermal | systemic | 0,5 mg/kg bw/day |
| 13463-67-7 | titanium dioxide | | | |
| Worker DNEL, long-term | | inhalation | local | 10 mg/m³ |
| 111-76-2 | 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve | | | |
| Worker DNEL, long-term | | dermal | systemic | 125 mg/kg bw/day |
| Worker DNEL, acute | | dermal | systemic | 89 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | systemic | 98 mg/m³ |
| Worker DNEL, acute | | inhalation | systemic | 1091 mg/m³ |
| Worker DNEL, long-term | | inhalation | local | 246 mg/m³ |
| 108-31-6 | maleic anhydride | | | |
| Worker DNEL, long-term | | inhalation | systemic | 0,081 mg/m³ |
| Worker DNEL, acute | | inhalation | systemic | 0,2 mg/m³ |
| Worker DNEL, long-term | | inhalation | local | 0,081 mg/m³ |

**PNEC values**

| CAS No | Substance |
|---|---|
| Environmental compartment | Value |
| 72869-86-4 | 7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers) |
| Freshwater | 0,01 mg/l |
| Marine water | 0,001 mg/l |
| Freshwater sediment | 4,56 mg/kg |
| Marine sediment | 0,456 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | 3,61 mg/l |
| Soil | 0,91 mg/kg |
| 109-16-0 | Triethylene glycol dimethacrylate |
| Freshwater | 0,164 mg/l |
| Marine water | 0,0164 mg/l |
| Freshwater sediment | 1,85 mg/kg |
| Marine sediment | 0,185 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | 10 mg/l |
| Soil | 0,274 mg/kg |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide |
| Freshwater | 0,004 mg/l |
| Freshwater (intermittent releases) | 0,035 mg/l |
| Marine water | 0 mg/l |
| Freshwater sediment | 0,29 mg/l |
| Marine sediment | 0,029 mg/l |
| Soil | 0,056 mg/kg |
| 80-62-6 | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate |
| Freshwater | 0,94 mg/l |
| Marine water | 0,094 mg/l |
| Freshwater sediment | 10,2 mg/kg |
| Marine sediment | 10,2 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | 10 mg/l |
| Soil | 1,48 mg/kg |
| 128-37-0 | 2,6-Di-tert-butyl-4-methylphenol |
| Freshwater | 0,000199 mg/l |
| Freshwater (intermittent releases) | 0,00199 mg/l |
| Marine water | 0,000199 mg/l |
| Freshwater sediment | 0,0996 mg/kg |
| Marine sediment | 0,00996 mg/kg |
| Soil | 0,04769 mg/kg |
| 13463-67-7 | titanium dioxide |
| Freshwater | 0,127 mg/l |
| Freshwater (intermittent releases) | 0,61 mg/l |
| Marine water | 1 mg/l |
| Freshwater sediment | 1000 mg/kg |

| | |
|---|---|
| Marine sediment | 100 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | 100 mg/l |
| Soil | 100 mg/kg |
| 111-76-2 | 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve |
| Freshwater | 8,80 mg/l |
| Freshwater (intermittent releases) | 26,4 mg/l |
| Marine water | 0,88 mg/l |
| Freshwater sediment | 34,6 mg/kg |
| Marine sediment | 3,46 mg/kg |
| Secondary poisoning | 20,0 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | 463,0 mg/l |
| Soil | 2,33 mg/kg |
| 108-31-6 | maleic anhydride |
| Freshwater | 0,038 mg/l |
| Marine water | 0,004 mg/l |
| Freshwater sediment | 0,296 mg/kg |
| Marine sediment | 0,03 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | 44,6 mg/l |
| Soil | 0,037 mg/kg |

**8.2. Exposure controls**

## SECTION 9: Physical and chemical properties

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

| | | |
|---|---|---|
| Physical state: | liquid | |
| Colour: | | |
| Odour: | like: ester | |
| Melting point/freezing point: | | not determined |
| Boiling point or initial boiling point and boiling range: | | not determined |
| Lower explosion limits: | | not determined |
| Upper explosion limits: | | not determined |
| Flash point: | | not determined |
| Water solubility: | | not determined |
| Vapour pressure: | | not determined |
| Sublimation point: | | not determined |
| Softening point: | | not determined |
| Pour point: | | not determined |
| : | | not determined |

## SECTION 10: Stability and reactivity

**10.4. Conditions to avoid**

Light. heat.
Decompostion takes place from temperatures above: 200 °C
Decomposition under formation of: Acrylate.

**10.5. Incompatible materials**

Keep away from strong acids, leachates, heavy metal salts and reducing materials.

**10.6. Hazardous decomposition products**

In case of fire may be liberated: Gas / vapours, irritant. (Acrylate., pungent)

## SECTION 11: Toxicological information

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

**Acute toxicity**

Based on available data, the classification criteria are not met.

**ATEmix tested**

| | Dose | Species | Source |
|---|---|---|---|
| LD50, oral | 5014 mg/kg | Rat | calc. |

| CAS No | Chemical name | | | | |
|---|---|---|---|---|---|
| | Exposure route | Dose | Species | Source | Method |
| 72869-86-4 | 7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers) | | | | |
| | oral | LD50 >5000 mg/kg | Rat | supplier SDS | OECD 401 |
| 109-16-0 | Triethylene glycol dimethacrylate | | | | |
| | oral | LD50 >5000 mg/kg | Rat | supplier SDS | |
| | dermal | LD50 >2000 mg/kg | Mouse | supplier SDS | |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | supplier SDS | |
| | dermal | LD50 > 2000 mg/kg | Rat | supplier SDS | |
| 80-62-6 | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate | | | | |
| | oral | LD50 >5000 mg/kg | Rat | supplier SDS | |
| | dermal | LD50 >5000 mg/kg | Rabbit | supplier SDS | |
| | inhalation (4 h) vapour | LC50 29,8 mg/l | Rat | supplier SDS | |
| 128-37-0 | 2,6-Di-tert-butyl-4-methylphenol | | | | |
| | oral | LD50 > 6000 mg/kg | Rat | supplier SDS | OECD 401 |
| | dermal | LD50 > 2000 mg/kg | Rat | supplier SDS | OECD 402 |
| 13463-67-7 | titanium dioxide | | | | |
| | oral | LD50 >5000 mg/kg | Rat | supplier SDS/ ECHA | OECD 425 |
| | dermal | LD50 >5000 mg/kg | Rabbit | supplier SDS | |
| | inhalation (4 h) dust/mist | LC50 6,82 mg/l | Rat | supplier SDS/ ECHA | |
| 111-76-2 | 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve | | | | |
| | oral | ATE 1200 mg/kg | | | |
| | dermal | LD50 >2000 mg/kg | Guinea pig | ECHA | OECD 402 |
| | inhalation vapour | ATE 11 mg/l | | | |
| | inhalation dust/mist | ATE 1,5 mg/l | | | |

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

**Sensitising effects**

May cause an allergic skin reaction. (7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers); Triethylene glycol dimethacrylate; diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide; methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; maleic anhydride)

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

**12.1. Toxicity**

Preparation not tested.

| CAS No | Chemical name | | | | | | |
|---|---|---|---|---|---|---|---|
| | Aquatic toxicity | Dose | | [h] \| [d] | Species | Source | Method |
| 109-16-0 | Triethylene glycol dimethacrylate | | | | | | |
| | Acute algae toxicity | ErC50 | >100 mg/l | 72 h | Pseudokirchneriella subcapitata | | OECD 201 |
| | Crustacea toxicity | NOEC | 32 mg/l | 21 d | Daphnia magna (Big water flea) | | |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | | | | | | |
| | Acute fish toxicity | LC50 | 6,53 mg/l | 96 h | Oryzias latipes (Ricefish) | supplier SDS | |
| | Acute algae toxicity | ErC50 | > 2,01 mg/l | 72 h | Scenedesmus subspicatus | supplier SDS | |
| | Acute crustacea toxicity | EC50 | 3,53 mg/l | 48 h | Daphnia magna (Big water flea) | supplier SDS | |
| | Acute bacteria toxicity | (EC50 | > 1000 mg/l) | 3 h | Activated sludge | supplier SDS | |
| 80-62-6 | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate | | | | | | |
| | Acute fish toxicity | LC50 | >100 mg/l | 96 h | | supplier SDS | OECD 203 |
| | Acute algae toxicity | ErC50 | 110 mg/l | 72 h | Selenastrum capricornutum | ECHA | |
| | Fish toxicity | NOEC | 9,4 mg/l | | | supplier SDS | OECD 210 |
| | Algae toxicity | NOEC | >110 mg/l | | Selenastrum capricornutum | supplier SDS | OECD 201 |
| | Crustacea toxicity | NOEC | 37 mg/l | | Daphnia magna (Big water flea) | supplier SDS | OECD 202 |
| 128-37-0 | 2,6-Di-tert-butyl-4-methylphenol | | | | | | |
| | Acute fish toxicity | LC50 | >0,57 mg/l | 96 h | Danio rerio (zebrafish) | supplier SDS | |
| | Acute algae toxicity | ErC50 | > 0,4 mg/l | 72 h | Desmodesmus subspicatus | supplier SDS | |
| | Acute crustacea toxicity | EC50 | 0,48 mg/l | 48 h | Daphnia magna (Big water flea) | supplier SDS | OECD 202 |
| | Acute bacteria toxicity | (EC50 | > 10000 mg/l) | 3 h | Activated sludge | MSDS | OECD 209 |
| 13463-67-7 | titanium dioxide | | | | | | |
| | Acute fish toxicity | LC50 | >1000 mg/l | 96 h | Pimephales promelas (fathead minnow) | supplier SDS | |
| | Acute algae toxicity | ErC50 | >10000 mg/l | 72 h | Skeletonema costatum | supplier SDS | |
| | Acute crustacea toxicity | EC50 | >100 mg/l | 48 h | Daphnia magna (Big water flea) | supplier SDS | |
| 111-76-2 | 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve | | | | | | |
| | Acute fish toxicity | LC50 | >1474 mg/l | 96 h | Oncorhynchus mykiss (Rainbow trout) | ECHA | OECD 203 |
| | Acute algae toxicity | ErC50 | 911 mg/l | 72 h | Pseudokirchneriella subcapitata | ECHA | OECD 201 |
| | Acute crustacea toxicity | EC50 | 1550 mg/l | 48 h | Daphnia magna (Big water flea) | ECHA | OECD 202 |
| | Fish toxicity | NOEC | 100 mg/l | 21 d | Danio rerio (zebrafish) | ECHA | OECD 204 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Crustacea toxicity | NOEC | 100 mg/l | 21 d | Daphnia magna (Big water flea) | ECHA | OECD 211 |

**12.2. Persistence and degradability**

Preparation not tested.

| CAS No | Chemical name | | | |
|---|---|---|---|---|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 72869-86-4 | 7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers) | | | |
| | OECD 301F | 22% | 28 | |
| | Not readily biodegradable (according to OECD criteria) | | | |
| 109-16-0 | Triethylene glycol dimethacrylate | | | |
| | OECD 301B | 85% | | |
| | Readily biodegradable (according to OECD criteria). | | | |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | | | |
| | OECD 301 F | 0-10% | 28 | |
| | Not readily biodegradable (according to OECD criteria) | | | |
| 80-62-6 | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate | | | |
| | OECD 301C | 94% | 14 | |
| | Readily biodegradable (according to OECD criteria). | | | |
| 128-37-0 | 2,6-Di-tert-butyl-4-methylphenol | | | |
| | Persistence and degradability | < 10 % | 20 | OECD 301D |
| | Not readily biodegradable (according to OECD criteria) | | | |
| 111-76-2 | 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve | | | |
| | | 90,4% | 28 | |
| | Readily biodegradable (according to OECD criteria). | | | |

**12.3. Bioaccumulative potential**

Preparation not tested.

**Partition coefficient n-octanol/water**

| CAS No | Chemical name | Log Pow |
|---|---|---|
| 72869-86-4 | 7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers) | 3,39 |
| 109-16-0 | Triethylene glycol dimethacrylate | 2,3 |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 3,1 |
| 80-62-6 | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate | 1,38 |
| 128-37-0 | 2,6-Di-tert-butyl-4-methylphenol | 5,10 |
| 111-76-2 | 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve | 0,8 |

**BCF**

| CAS No | Chemical name | BCF | Species | Source |
|---|---|---|---|---|
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 18-72 | | |

**12.4. Mobility in soil**

Preparation not tested.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
Preparation not tested.

**12.6. Endocrine disrupting properties**

Endocrine disrupting properties: 2,6-Di-tert-butyl-4-methylphenol.

**12.7. Other adverse effects**

Preparation not tested.

**Further information**

Do not allow to enter into surface water or drains. Leakage into the environment must be prevented.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Disposal recommendations**

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Paste: Carry out a burning of harzardous waste according to official regulations.

**List of Wastes Code - residues/unused products**

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (EXCEPT KITCHEN AND RESTAURANT WASTES NOT ARISING FROM IMMEDIATE HEALTH CARE); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing hazardous substances; hazardous waste

## SECTION 14: Transport information

**Land transport (ADR/RID)**

| | |
|---|---|
| **14.1. UN number or ID number:** | No dangerous good in sense of this transport regulation. |
| **14.2. UN proper shipping name:** | No dangerous good in sense of this transport regulation. |
| **14.3. Transport hazard class(es):** | No dangerous good in sense of this transport regulation. |
| **14.4. Packing group:** | No dangerous good in sense of this transport regulation. |

**Inland waterways transport (ADN)**

| | |
|---|---|
| **14.1. UN number or ID number:** | No dangerous good in sense of this transport regulation. |
| **14.2. UN proper shipping name:** | No dangerous good in sense of this transport regulation. |
| **14.3. Transport hazard class(es):** | No dangerous good in sense of this transport regulation. |
| **14.4. Packing group:** | No dangerous good in sense of this transport regulation. |

**Marine transport (IMDG)**

| | |
|---|---|
| **14.1. UN number or ID number:** | No dangerous good in sense of this transport regulation. |
| **14.2. UN proper shipping name:** | No dangerous good in sense of this transport regulation. |
| **14.3. Transport hazard class(es):** | No dangerous good in sense of this transport regulation. |
| **14.4. Packing group:** | No dangerous good in sense of this transport regulation. |

**Air transport (ICAO-TI/IATA-DGR)**

| | |
|---|---|
| **14.1. UN number or ID number:** | No dangerous good in sense of this transport regulation. |
| **14.2. UN proper shipping name:** | No dangerous good in sense of this transport regulation. |
| **14.3. Transport hazard class(es):** | No dangerous good in sense of this transport regulation. |
| **14.4. Packing group:** | No dangerous good in sense of this transport regulation. |

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**14.7. Maritime transport in bulk according to IMO instruments**

No dangerous good in sense of this transport regulation.

## SECTION 15: Regulatory information

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

**EU regulatory information**

Restrictions on use (REACH, annex XVII):
Entry 3, Entry 75

**National regulatory information**

## SECTION 16: Other information

**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

| Classification | Classification procedure |
|---|---|
| Skin Sens. 1B; H317 | Calculation method |
| Aquatic Chronic 2; H411 | Calculation method |

**Relevant H and EUH statements (number and full text)**

| | |
|---|---|
| H225 | Highly flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H351 | Suspected of causing cancer. |
| H361f | Suspected of damaging fertility. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*