

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

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

### 1.1 Product identifier

**Product name:** ARIGI UV HD2 YELLOW INK

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

**Identified uses:** Printing ink**Uses advised against:** Reserved for industrial and professional use.

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

**Manufacturer**Agfa NV  
Septestraat 27  
2640 Mortsel  
Belgium**Telephone:** +32 3 4442111  
**Fax:** +32 3 4447094  
**E-mail:** electronic.sds@agfa.com**National Supplier**Agfa NV - UK Branch  
Units 1 & 2 Ashbourne Court,  
Manners Industrial Estate  
DE7 8EF Ilkeston  
United Kingdom**Telephone:** +44 (0)20 8 231 4616  
**Fax:** +44 (0)20 8 231 4951  
**E-mail:** electronic.sds@agfa.com

### 1.4 Emergency telephone number:

Emergency telephone number (Belgium) : +32 3 4443333 (24h/24h)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

**Classification according to Regulation (EC) No 1272/2008 as amended.****Health Hazards**

|                       |             |  |
|-----------------------|-------------|--|
| Skin irritation       | Category 2  | H315: Causes skin irritation.  |
| Serious eye damage    | Category 1  | H318: Causes serious eye damage.   |
| Skin sensitizer       | Category 1  | H317: May cause an allergic skin reaction.                               |
| Toxic to reproduction | Category 1B | H360Df: May damage the unborn child.<br>Suspected of damaging fertility. |

**Environmental Hazards**

|  |            |  |
|--|------------|--|
| Chronic hazards to the aquatic environment | Category 3 | H412: Harmful to aquatic life with long lasting effects. |
|--|------------|--|

### 2.2 Label Elements

**Contains:** Oxybis(methyl-2,1-ethanediyl) diacrylate  
Ethyl 4-dimethylaminobenzoate  
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

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**Signal Word:** Danger

**Hazard Statement(s):**  
 H315: Causes skin irritation.  
 H318: Causes serious eye damage.  
 H317: May cause an allergic skin reaction.  
 H360Df: May damage the unborn child. Suspected of damaging fertility.  
 H412: Harmful to aquatic life with long lasting effects.

## Precautionary Statements

**Prevention:**  
 P201: Obtain special instructions before use.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+P313: IF exposed or concerned: Get medical advice/attention.  
 P310: Immediately call a POISON CENTER or doctor/ physician.

## 2.3 Other hazards

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

### Endocrine Disruption-Toxicity

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Endocrine Disruption-Ecotoxicity

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

| Chemical name                            | Concentration | CAS-No.    | EC No.    | REACH Registration No. | M-Factor:          | Notes |
|--|---------------|------------|-----------|------------------------|--------------------|-------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate | 50 - <100%    | 57472-68-1 | 260-754-3 | 01-2119484629-21-XXXX; | No data available. |       |
| Ethyl 4-dimethylamino benzoate           | 5 - <10%      | 10287-53-3 | 233-634-3 | No data available.     | No data available. |       |

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|   |              |            |           |                        |  |   |
|---|--------------|------------|-----------|------------------------|--|---|
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 3 - <5%      | 75980-60-8 | 278-355-8 | 01-2119972295-29-XXXX; | No data available.   |   |
| 2-Isopropyl-9H-thioxanthen-9-one                | 1 - <5%      | 5495-84-1  | 226-827-9 | No data available.     | No data available.   |   |
| 2,6-di-tert-Butyl-p-cresol                      | 0.1 - <0.25% | 128-37-0   | 204-881-4 | 01-2119555270-46-0000; | Aquatic Toxicity (Acute): 1; Aquatic Toxicity (Chronic): 1 | # |

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# This substance has workplace exposure limit(s).

## This substance is listed as SVHC.

## Classification

| Chemical name                                   | Classification  | Notes              |
|---|---|--------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | Classification: Skin Sens.: 1: H317; Eye Dam.: 1: H318; Skin Irrit.: 2: H315;   | No data available. |
| Ethyl 4-dimethylaminobenzoate                   | Classification: Repr.: 1B: H360; Aquatic Chronic: 2: H411;                      | No data available. |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | Classification: Repr.: 2: H361f; Skin Sens.: 1: H317; Aquatic Chronic: 2: H411; | No data available. |
| 2-Isopropyl-9H-thioxanthen-9-one                | Classification: STOT RE: 2: H373;   | No data available. |
| 2,6-di-tert-Butyl-p-cresol                      | Classification: Aquatic Acute: 1: H400; Aquatic Chronic: 1: H410;               | No data available. |

CLP: Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

## SECTION 4: First aid measures

**General:** Get medical attention if symptoms occur.

### 4.1 Description of first aid measures

**Inhalation:** Move to fresh air.

**Skin Contact:** Get medical attention. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.

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|---|--|
| <b>Eye contact:</b>   | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately. |
| <b>Ingestion:</b>   | Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.   |
| <b>Personal Protection for First-aid Responders:</b>                                  | CAUTION! First aid personnel must be aware of own risk during rescue! See Section 8 of the SDS for Personal Protective Equipment.                            |
| <b>4.2 Most important symptoms and effects, both acute and delayed:</b>               | See section 11 of the SDS for additional information on health hazards.  |
| <b>4.3 Indication of any immediate medical attention and special treatment needed</b> |  |
| <b>Hazards:</b>   | See section 11 of the SDS for additional information on health hazards.  |
| <b>Treatment:</b>   | Treat symptomatically.   |

## SECTION 5: Firefighting measures

|   |   |
|---|---|
| <b>General Fire Hazards:</b>                                      | No unusual fire or explosion hazards noted.   |
| <b>5.1 Extinguishing media</b>                                    |   |
| <b>Suitable extinguishing media:</b>                              | Extinguish with foam, carbon dioxide, dry powder or water fog.                                |
| <b>Unsuitable extinguishing media:</b>                            | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| <b>5.2 Special hazards arising from the substance or mixture:</b> | During fire, gases hazardous to health may be formed.   |
| <b>5.3 Advice for firefighters</b>                                |   |
| <b>Special fire fighting procedures:</b>                          | No data available.  |
| <b>Special protective equipment for fire-fighters:</b>            | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |

## SECTION 6: Accidental release measures

|   |  |
|---|--|
| <b>6.1 Personal precautions, protective equipment and emergency procedures:</b> | See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.                          |
| <b>6.1.1 For non-emergency personnel:</b>                                       | Use personal protective equipment.   |
| <b>6.1.2 For emergency responders:</b>  | Warn everybody of potential hazards and evacuate if necessary. Use personal protective equipment.  |
| <b>6.2 Environmental Precautions:</b>   | Avoid release to the environment. Prevent entry into waterways, sewer, basements or confined areas. Contact local authorities in case of spillage to drain/aquatic environment. Do not contaminate water sources or sewer. |

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

Prevent further leakage or spillage if safe to do so. Stop the flow of material, if this is without risk. Small Spillages: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Clean surface thoroughly to remove residual contamination. Large Spillages: Dike far ahead of larger spill for later recovery and disposal.

**6.4 Reference to other sections:**

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

**SECTION 7: Handling and storage:**

**7.1 Precautions for safe handling:**

Do not get in eyes. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with skin. Avoid contact with eyes, skin, and clothing.

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

Store locked up.

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

Reserved for industrial and professional use.

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

**8.1 Control Parameters**

**Occupational Exposure Limits**

| Chemical name              | Type | Exposure Limit Values | Source  |
|----------------------------|------|-----------------------|---|
| 2,6-di-tert-Butyl-p-cresol | TWA  | 10 mg/m3              | UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011) |

**Biological Limit Values**

None of the components have assigned exposure limits.

**DNEL-Values**

| Critical component                       | Type  | Route of Exposure | Health Warnings                  | Remarks                        |
|--|---|-------------------|----------------------------------|--------------------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate | Workers   | Inhalation        | Systemic, long-term; 24.48 mg/m3 | Repeated dose toxicity         |
|  | General population                              | Inhalation        | Systemic, long-term; 7.24 mg/m3  | Repeated dose toxicity         |
|  | Workers   | Eyes              | Local effect;                    | No data available              |
|  | General population                              | Eyes              | Local effect;                    | No data available              |
|  | Workers   | Dermal            | Systemic, long-term; 2.77 mg/kg  | Repeated dose toxicity         |
|  | General population                              | Oral              | Systemic, long-term; 2.08 mg/kg  | Repeated dose toxicity         |
|  | General population                              | Dermal            | Systemic, long-term; 1.66 mg/kg  | Repeated dose toxicity         |
|  | Ethyl 4-dimethylaminobenzoate                   | Workers           | Inhalation                       | Systemic, long-term; 1.2 mg/m3 |
|  | General population                              | Eyes              | Local effect;                    | No hazard identified           |
|  | Workers   | Eyes              | Local effect;                    | No hazard identified           |
|  | Workers   | Dermal            | Systemic, long-term; 0.3 mg/kg   | Effect on fertility            |
|  | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | Workers           | Eyes                             | Local effect;                  |
|  | General population                              | Eyes              | Local effect;                    | No data available              |

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|----------------------------------|--------------------|------------|-------------------------------------|--|
|                                  | Workers            | Dermal     | Systemic, long-term;<br>0.233 mg/kg | Repeated dose toxicity                     |
|                                  | Workers            | Inhalation | Systemic, long-term;<br>0.822 mg/m3 | Repeated dose toxicity                     |
|                                  | General population | Eyes       | Local effect;                       | No hazard identified                       |
|                                  | General population | Dermal     | Systemic, long-term;<br>83.3 µg/kg  | Repeated dose toxicity                     |
|                                  | General population | Oral       | Systemic, long-term;<br>83.3 µg/kg  | Repeated dose toxicity                     |
|                                  | General population | Inhalation | Systemic, long-term;<br>0.145 mg/m3 | Repeated dose toxicity                     |
| 2-Isopropyl-9H-thioxanthen-9-one | Workers            | Eyes       | Local effect;                       | No hazard identified                       |
|                                  | Workers            | Inhalation | Systemic, long-term;<br>0.73 mg/m3  | developmental toxicity /<br>teratogenicity |
|                                  | Workers            | Dermal     | Systemic, long-term;<br>0.42 mg/kg  | developmental toxicity /<br>teratogenicity |
|                                  | General population | Eyes       | Local effect;                       | No hazard identified                       |
| 2,6-di-tert-Butyl-p-cresol       | Workers            | Eyes       | Local effect;                       | No hazard identified                       |
|                                  | General population | Inhalation | Systemic, long-term;<br>0.86 mg/m3  | Repeated dose toxicity                     |
|                                  | Workers            | Inhalation | Systemic, long-term; 3.5<br>mg/m3   | Repeated dose toxicity                     |
|                                  | General population | Eyes       | Local effect;                       | No hazard identified                       |
|                                  | Workers            | Dermal     | Systemic, long-term; 0.5<br>mg/kg   | Repeated dose toxicity                     |
|                                  | General population | Dermal     | Systemic, long-term;<br>0.25 mg/kg  | Repeated dose toxicity                     |

## PNEC-Values

| Critical component                              | Environmental compartment | PNEC-Values  | Remarks |
|---|---------------------------|--------------|---------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | soil                      | 0.001 mg/kg  |         |
|   | Aquatic (freshwater)      | 0.003 mg/l   |         |
|   | Sewage treatment plant    | 100 mg/l     |         |
|   | Aquatic (marine water)    | 0 mg/l       |         |
|   | freshwater sediment       | 0.009 mg/kg  |         |
| Ethyl 4-dimethylaminobenzoate                   | Predator                  | 740 mg/kg    | Oral    |
|   | Aquatic (marine water)    | 0 mg/l       |         |
|   | Aquatic (freshwater)      | 0.002 mg/l   |         |
|   | soil                      | 0.021 mg/kg  |         |
|   | Marine sediments          | 0.011 mg/kg  |         |
|   | Sewage treatment plant    | 100 mg/l     |         |
|   | freshwater sediment       | 0.113 mg/kg  |         |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | soil                      | 22.2 µg/kg   |         |
|   | Fresh water               | 0.00353 mg/l |         |
|   | Marine sediments          | 11.5 µg/kg   |         |
|   | Marine water              | 0.00353 mg/l |         |
|   | Aquatic (freshwater)      | 1.4 µg/l     |         |
|   | Intermittent release      | 0.0353 mg/l  |         |
|   | Aquatic (marine water)    | 0.14 µg/l    |         |
|   | Sediment-fresh water      | 0.29 mg/kg   |         |
|   | freshwater sediment       | 0.115 mg/kg  |         |
|   | Soil                      | 0.0557 mg/kg |         |
| 2-Isopropyl-9H-thioxanthen-9-one                | Predator                  | 0.333 mg/kg  | Oral    |
|   | soil                      | 0.003 mg/kg  |         |
|   | Aquatic (marine water)    | 0 mg/l       |         |
|   | Aquatic (freshwater)      | 0 mg/l       |         |
|   | Marine sediments          | 0.001 mg/kg  |         |
|   | Sewage treatment plant    | 100 mg/l     |         |
|   | freshwater sediment       | 0.013 mg/kg  |         |
| 2,6-di-tert-Butyl-p-cresol                      | Predator                  | 8.33 mg/kg   | Oral    |
|   | freshwater sediment       | 99.6 µg/kg   |         |
|   | soil                      | 47.69 µg/kg  |         |
|   | Aquatic (freshwater)      | 0.199 µg/l   |         |

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|--|------------------------|------------|--|
|  | Sewage treatment plant | 0.17 mg/l  |  |
|  | Aquatic (marine water) | 0.02 µg/l  |  |
|  | Marine sediments       | 9.96 µg/kg |  |

## 8.2 Exposure controls

### Appropriate Engineering Controls:

Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Individual protection measures, such as personal protective equipment

#### General information:

Follow training instructions when handling this material. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

#### Eye/face protection:

Safety goggles. EN 166.

#### Hand Protection:

Protective gloves should be used if there is a risk of direct contact or splash.(EN374), Chemical resistant gloves required for prolonged or repeated contact., Butyl rubber (EN374), Glove thickness: > 0.70 mm, Break-through time: > 480 min, Glove thickness: > 0.35 mm, Break-through time: > 60 min, Risk of splashes:, Nitrile rubber., Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable., The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

#### Skin and Body Protection:

Safety clothes : long sleeved clothing EN13688

#### Respiratory Protection:

In case of inadequate ventilation use suitable respirator (EN14387). Seek advice from local supervisor.

#### Hygiene measures:

Do not get in eyes. Observe good industrial hygiene practices. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash contaminated clothing before reuse. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace.

#### Environmental Controls:

Do not empty into drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|                 |                    |
|-----------------|--------------------|
| Physical state: | liquid             |
| Form:           | liquid             |
| Color:          | Yellow             |
| Odor:           | acrylic odor       |
| Odor Threshold: | No data available. |



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|  |  |
|--|--|
| <b>Freezing point:</b>                                       | < 32 °F/< 0 °C   |
| <b>Boiling Point:</b>  | > 212 °F/> 100 °C  |
| <b>Flammability:</b>   | Not flammable.   |
| <b>Upper/lower limit on flammability or explosive limits</b> |  |
| Explosive limit - upper:                                     | not applicable   |
| Explosive limit - lower:                                     | not applicable   |
| <b>Flash Point:</b>  | > 212 °F/> 100 °C  |
| <b>Self Ignition Temperature:</b>                            | Not determined.  |
| <b>Decomposition Temperature:</b>                            | No data available.   |
| <b>pH:</b>   | substance/mixture is non-soluble (in water) Not applicable |
| <b>Viscosity</b>   |  |
| Dynamic viscosity:   | 7 - 9 mPa.s (113 °F/ 45 °C)                                |
| Kinematic viscosity:   | 6.5 - 8.4 mm <sup>2</sup> /s (113 °F/ 45 °C)               |
| Flow Time:   | not applicable   |
| <b>Solubility(ies)</b>                                       |  |
| Solubility in Water:   | Insoluble in water   |
| Solubility (other):  | No data available.   |
| <b>Partition coefficient (n-octanol/water):</b>              | Not applicable Mixture                                     |
| <b>Vapor pressure:</b>                                       | No data available.   |
| <b>Relative density:</b>                                     | 1.0754   |
| <b>Density:</b>  | not applicable   |
| <b>Bulk density:</b>   | not applicable   |
| <b>Relative vapor density:</b>                               | No data available.   |
| <b>Particle characteristics</b>                              |  |
| Particle Size  | not applicable   |
| Distribution:  |  |
| Specific surface area:                                       | not applicable   |
| Surface charge/Zeta potential:                               | not applicable   |
| Assessment:  | not applicable   |
| Shape:   | not applicable   |
| Crystallinity:   | not applicable   |
| Surface treatment:   | not applicable   |
| <b>9.2 Other information</b>                                 |  |
| Minimum ignition temperature:                                | > 392 °F/> 200 °C  |
| VOC Content:   | EC Directive 1999/13: 0.03 g/l ~0 % (calculated)           |

## SECTION 10: Stability and reactivity

|   |   |
|---|---|
| <b>10.1 Reactivity:</b>                         | Material is stable under normal conditions. |
| <b>10.2 Chemical Stability:</b>                 | Material is stable under normal conditions. |
| <b>10.3 Possibility of hazardous reactions:</b> | Not known.                                  |
| <b>10.4 Conditions to avoid:</b>                | Avoid heat or contamination.                |
| <b>10.5 Incompatible Materials:</b>             | None known.                                 |



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**10.6 Hazardous Decomposition** By heating and fire, harmful vapors/gases may be formed.  
**Products:**

## SECTION 11: Toxicological information

### Information on likely routes of exposure

- Inhalation:** Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
- Skin Contact:** Causes skin irritation. May cause an allergic skin reaction.
- Eye contact:** Causes serious eye damage.
- Ingestion:** May be ingested by accident. Ingestion may cause irritation and malaise.

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Oral

- Product:** Not classified for acute toxicity based on available data.
- Components:**
- Oxybis(methyl-2,1-ethanediyl) diacrylate LD 50 (Rat): 4,626 mg/kg Experimental result, Supporting study
  - Ethyl 4-dimethylaminobenzoate No data available.
  - Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide LD 50 (Rat): > 5,000 mg/kg Experimental result, Key study
  - 2-Isopropyl-9H-thioxanthen-9-one No data available.
  - 2,6-di-tert-Butyl-p-cresol LD 50 (Rat): > 6,000 mg/kg Experimental result, Key study

##### Dermal

- Product:** Not classified for acute toxicity based on available data.
- Components:**
- Oxybis(methyl-2,1-ethanediyl) diacrylate LD 50 (Rabbit): > 2,000 mg/kg Experimental result, Key study
  - Ethyl 4-dimethylaminobenzoate No data available.
  - Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide No data available.
  - 2-Isopropyl-9H-thioxanthen-9-one No data available.
  - 2,6-di-tert-Butyl-p-cresol LD 50 (Rat): > 2,000 mg/kg Experimental result, Key study

##### Inhalation

- Product:** Not classified for acute toxicity based on available data.
- Components:**
- Oxybis(methyl-2,1-

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|   |  |
|---|--|
| ethanediyl) diacrylate                          |  |
| Ethyl 4-dimethylaminobenzoate                   | No data available.   |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available.   |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available.   |
| 2,6-di-tert-Butyl-p-cresol                      | RD 50 (Mouse, 30 min)60 ppm Vapor, Experimental result, Supporting study |

## Repeated dose toxicity

|   |   |
|---|---|
| <b>Product:</b>                                 | No data available.                                    |
| <b>Components:</b>                              |   |
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | NOAEL (Rat(Female, Male), Oral, 28 - 52 d): 250 mg/kg |
| Ethyl 4-dimethylaminobenzoate                   | No data available.                                    |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | NOAEL (Rat(Female, Male), Oral, 28 d): 50 mg/kg       |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available.                                    |
| 2,6-di-tert-Butyl-p-cresol                      | NOAEL (Rat(Male), Oral, 76 - 110 Weeks): 70 mg/kg     |

## Skin Corrosion/Irritation:

|   |  |
|---|--|
| <b>Product:</b>                                 | Causes skin irritation.  |
| <b>Components:</b>                              |  |
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | No data available.   |
| Ethyl 4-dimethylaminobenzoate                   | No data available.   |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | in vivo (Rabbit): Not irritant Experimental result, Key study            |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available.   |
| 2,6-di-tert-Butyl-p-cresol                      | in vivo (Rabbit, 24 - 72 h): Not irritant Experimental result, Key study |

## Serious Eye Damage/Eye Irritation:

|   |  |
|---|--|
| <b>Product:</b>                                 | Causes serious eye damage.                         |
| <b>Components:</b>                              |  |
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | in vivo (Rabbit, 24 - 72 hrs): Category 1 OECD GHS |
| Ethyl 4-dimethylaminobenzoate                   | No data available.                                 |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available.                                 |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available.                                 |
| 2,6-di-tert-Butyl-p-cresol                      | in vivo (Rabbit, 24 - 72 hrs): Not irritating EU   |

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**Respiratory or Skin****Sensitization:****Product:** May cause an allergic skin reaction.**Components:**

|   |  |
|---|--|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | No data available.   |
| Ethyl 4-dimethylaminobenzoate                   | No data available.   |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available.   |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available.   |
| 2,6-di-tert-Butyl-p-cresol                      | Skin sensitization:, in vivo (Guinea pig): Non sensitising |

**Germ Cell Mutagenicity****Product:** Based on available data, the classification criteria are not met.**In vitro****Components:**

|   |                    |
|---|--------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | No data available. |
| Ethyl 4-dimethylaminobenzoate                   | No data available. |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available. |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available. |
| 2,6-di-tert-Butyl-p-cresol                      | No data available. |

**In vivo****Components:**

|   |                    |
|---|--------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | No data available. |
| Ethyl 4-dimethylaminobenzoate                   | No data available. |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available. |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available. |
| 2,6-di-tert-Butyl-p-cresol                      | No data available. |

**Carcinogenicity****Product:** Not classified The yellow pigment in this product is embedded in a matrix which minimizes the likelihood of exposure to the pigment.**Components:**

|  |                    |
|--|--------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate | No data available. |
| Ethyl 4-dimethylaminobenzoate            | No data available. |

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

|   |                    |
|---|--------------------|
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available. |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available. |
| 2,6-di-tert-Butyl-p-cresol                      | No data available. |

**Reproductive toxicity****Product:** May damage the unborn child. Suspected of damaging fertility.**Components:**

|   |                    |
|---|--------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | No data available. |
| Ethyl 4-dimethylaminobenzoate                   | No data available. |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available. |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available. |
| 2,6-di-tert-Butyl-p-cresol                      | No data available. |

**Specific Target Organ Toxicity - Single Exposure****Product:** Based on available data, the classification criteria are not met.**Components:**

|   |                    |
|---|--------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | No data available. |
| Ethyl 4-dimethylaminobenzoate                   | No data available. |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available. |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available. |
| 2,6-di-tert-Butyl-p-cresol                      | No data available. |

**Specific Target Organ Toxicity - Repeated Exposure****Product:** Based on available data, the classification criteria are not met.**Components:**

|   |                    |
|---|--------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | No data available. |
| Ethyl 4-dimethylaminobenzoate                   | No data available. |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available. |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available. |
| 2,6-di-tert-Butyl-p-cresol                      | No data available. |

**Aspiration Hazard****Product:** Based on available data, the classification criteria are not met.**Components:**

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

|   |                    |
|---|--------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | No data available. |
| Ethyl 4-dimethylaminobenzoate                   | No data available. |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available. |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available. |
| 2,6-di-tert-Butyl-p-cresol                      | No data available. |

## 11.2 Information on health hazards

### Endocrine Disruption

**Product:**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.;

**Components:**

|   |                    |
|---|--------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | No data available. |
| Ethyl 4-dimethylaminobenzoate                   | No data available. |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available. |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available. |
| 2,6-di-tert-Butyl-p-cresol                      | No data available. |

## SECTION 12: Ecological information

**General information:**

Contains a substance which causes risk of hazardous effects to the environment.

### 12.1 Toxicity

#### Acute toxicity

**Remarks:**

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

**Fish**

**Product:** No data available.

**Components**

|   |   |
|---|---|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | NOAEL (Leuciscus idus, 96 h): 1 mg/l (Static) Experimental result, Key study<br>LC 50 (Leuciscus idus, 96 h): 2.2 mg/l (Static) |
| Ethyl 4-dimethylaminobenzoate                   | No data available.  |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | LC 50 (Oryzias latipes, 48 h): +/- 6.53 mg/l (semi-static) Experimental result, Key study                                       |

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

2-Isopropyl-9H-thioxanthen-9-one No data available.  
2,6-di-tert-Butyl-p-cresol LC 50 (96 h): 0.199 mg/l QSAR QSAR, Key study

**Aquatic Invertebrates****Product:** No data available.**Components**

Oxybis(methyl-2,1-ethanediyl) diacrylate No data available.  
Ethyl 4-dimethylaminobenzoate No data available.  
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide EC 50 (Daphnia magna, 48 h): 3.53 mg/l (Static) Experimental result, Key study  
2-Isopropyl-9H-thioxanthen-9-one No data available.  
2,6-di-tert-Butyl-p-cresol EC 50 (Daphnia magna, 48 h): 0.48 mg/l (Static) Experimental result, Key study

**Toxicity to Aquatic Plants****Product:** No data available.**Components**

Oxybis(methyl-2,1-ethanediyl) diacrylate No data available.  
Ethyl 4-dimethylaminobenzoate No data available.  
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide No data available.  
2-Isopropyl-9H-thioxanthen-9-one No data available.  
2,6-di-tert-Butyl-p-cresol No data available.

**Toxicity to microorganisms****Product:** No data available.**Components**

Oxybis(methyl-2,1-ethanediyl) diacrylate No data available.  
Ethyl 4-dimethylaminobenzoate No data available.  
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide No data available.  
2-Isopropyl-9H-thioxanthen-9-one No data available.  
2,6-di-tert-Butyl-p-cresol No data available.

**Chronic Toxicity****Remarks:**

Harmful to aquatic life with long lasting effects.

**Fish****Product:** No data available.

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

## Components

|   |                    |
|---|--------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | No data available. |
| Ethyl 4-dimethylaminobenzoate                   | No data available. |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available. |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available. |
| 2,6-di-tert-Butyl-p-cresol                      | No data available. |

## Aquatic Invertebrates

**Product:** No data available.

## Components

|   |                    |
|---|--------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | No data available. |
| Ethyl 4-dimethylaminobenzoate                   | No data available. |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available. |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available. |
| 2,6-di-tert-Butyl-p-cresol                      | No data available. |

## Toxicity to Aquatic Plants

**Product:** No data available.

## Components

|   |                    |
|---|--------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | No data available. |
| Ethyl 4-dimethylaminobenzoate                   | No data available. |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available. |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available. |
| 2,6-di-tert-Butyl-p-cresol                      | No data available. |

## 12.2 Persistence and Degradability

### Biodegradation

**Product:** No data available.

### Components

|   |  |
|---|--|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | (28 d): 90 - 100 % Detected in water. Experimental result, Key study |
| Ethyl 4-dimethylaminobenzoate                   | No data available.   |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | (28 d): > 0 - 10 % Detected in water. Experimental result, Key study |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available.   |



# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

2,6-di-tert-Butyl-p-cresol (28 d): 4.5 % Detected in water. Experimental result, Key study

## BOD/COD Ratio

**Product** No data available.

## Components

Oxybis(methyl-2,1-ethanediyl) diacrylate No data available.  
 Ethyl 4-dimethylaminobenzoate No data available.  
 Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide No data available.  
 2-Isopropyl-9H-thioxanthen-9-one No data available.  
 2,6-di-tert-Butyl-p-cresol No data available.

## 12.3 Bioaccumulative potential

**Product:** No data available.

## Components

Oxybis(methyl-2,1-ethanediyl) diacrylate No data available.  
 Ethyl 4-dimethylaminobenzoate No data available.  
 Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide Cyprinus carpio, Bioconcentration Factor (BCF): 22 - 32 Aquatic sediment Experimental result, Key study  
 2-Isopropyl-9H-thioxanthen-9-one No data available.  
 2,6-di-tert-Butyl-p-cresol Bioconcentration Factor (BCF): 598.4 Aquatic sediment Estimated by calculation, Weight of Evidence study

## 12.4 Mobility in soil

**Product:** No data available.

## Components

Oxybis(methyl-2,1-ethanediyl) diacrylate No data available.  
 Ethyl 4-dimethylaminobenzoate No data available.  
 Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide No data available.  
 2-Isopropyl-9H-thioxanthen-9-one No data available.  
 2,6-di-tert-Butyl-p-cresol No data available.

## 12.5 Results of PBT and vPvB assessment

**Product:** Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

## Components

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

|   |                    |
|---|--------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | No data available. |
| Ethyl 4-dimethylaminobenzoate                   | No data available. |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available. |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available. |
| 2,6-di-tert-Butyl-p-cresol                      | No data available. |

## 12.6 Endocrine disrupting properties

**Product:** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Components:**

|   |                    |
|---|--------------------|
| Oxybis(methyl-2,1-ethanediyl) diacrylate        | No data available. |
| Ethyl 4-dimethylaminobenzoate                   | No data available. |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | No data available. |
| 2-Isopropyl-9H-thioxanthen-9-one                | No data available. |
| 2,6-di-tert-Butyl-p-cresol                      | No data available. |

**12.7 Other adverse effects:** Harmful to aquatic life with long lasting effects.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**General information:** Disposal considerations (including disposal of contaminated containers or packaging) Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Disposal methods:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

Since emptied containers retain product residue, follow label warnings even after container is emptied.

**Contaminated Packaging:** Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

### ADR

14.1 UN Number: Not regulated.

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

- 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 regulated.
- 14.6 Special precautions for user: Not regulated.

## RID

- 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 regulated.
- 14.6 Special precautions for user: Not regulated.

## IMDG

- 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 regulated.
- 14.6 Special precautions for user: Not regulated.

## IATA

- 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 regulated.
- 14.6 Special precautions for user: Not regulated.

**14.7 Maritime transport in bulk according to IMO instruments:** not applicable

## SECTION 15: Regulatory information

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

### EU Regulations

**EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):** none

**EU. REACH Annex XIV, Substances Subject to Authorization:** none

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:**

| Chemical name  | CAS-No.    | Concentration |
|--|------------|---------------|
| Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes | 68511-62-6 | 1.0 - 10%     |
| Octamethylcyclotetrasiloxane                                   | 556-67-2   | - <0.1%       |

**Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances:** none

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

**Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances:**  
 none

**EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended:** none

**EU. Directive 2010/75/EU on Industrial Emissions (IPPC), Annex II, L 334/17:**

| Chemical name  | CAS-No.    |
|--|------------|
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide                | 75980-60-8 |
| Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes | 68511-62-6 |
| Octamethylcyclotetrasiloxane                                   | 556-67-2   |

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended:** none

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended:** none

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended:** none

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended:** none

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:** none

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:**

| Chemical name                                   | CAS-No.    | Concentration |
|---|------------|---------------|
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 75980-60-8 | 1.0 - 10%     |
| Octamethylcyclotetrasiloxane                    | 556-67-2   | 0 - <0.1%     |

**EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:**

| Classification                           | Lower-tier Requirements | Upper-tier Requirements |
|--|-------------------------|-------------------------|
| E1. Hazardous to the aquatic environment | 100 t                   | 200 t                   |

**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:**

| Chemical name  | CAS-No.    | Concentration |
|--|------------|---------------|
| Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes | 68511-62-6 | 1.0 - 10%     |

**Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:**

| Chemical name                                   | CAS-No.    | Concentration |
|---|------------|---------------|
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 75980-60-8 | 1.0 - 10%     |
| Phenol, 4-methoxy-                              | 150-76-5   | 0 - <0.1%     |

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

|                              |          |           |
|------------------------------|----------|-----------|
| Octamethylcyclotetrasiloxane | 556-67-2 | 0 - <0.1% |
|------------------------------|----------|-----------|

**15.2 Chemical safety assessment:**

Chemical Safety Assessment has been carried out.

**SECTION 16: Other information**

**Abbreviations and acronyms:**

|          |   |
|----------|---|
| ADR      | Accord européen relatif au transport international des marchandises Dangereuses par Route   |
| ADNR     | Accord européen relatif au transport international des marchandises Dangereuses par la Rhin |
| AGW      | Arbeitsplatzgrenswerte (DE)   |
| ATEmix   | Acute toxicity estimate of the mixture  |
| CLP      | Classification, Labelling and Packaging of substances and mixtures                          |
| CMR      | carcinogenicity, mutagenicity and toxicity for reproduction                                 |
| DNEL     | Derived No Effect Level   |
| EC0      | Effective Concentration 0%  |
| EC5      | Effective Concentration 5%  |
| EC10     | Effective Concentration 10%   |
| EC50     | Median Effective Concentration  |
| EC100    | Effective Concentration 100%  |
| EH40 WEL | Workplace Exposure Limit (GB)   |
| IATA     | International Air Transport Association   |
| ICAO     | International Civil Aviation Organization   |
| IC50     | inhibitory concentration 50%  |
| IMDG     | International Maritime Dangerous Goods  |
| IMO      | International Maritime Organization   |
| IUCLID   | International Uniform Chemical Information Database   |
| LC50     | Lethal Concentration 50%  |
| LC100    | Lethal Concentration 100%   |
| LOAEL    | Lowest Observed Adverse Effect Level  |
| LDL0     | Lethal Dose (minimum found to be lethal)  |
| LD50     | Lethal Dose 50%   |
| MAC      | Maximaal Aanvaardbare Concentratie (NL)   |
| MAK      | Maximale Arbeitsplatz-Konzentration   |
| NOAEL    | No Observed Adverse Effect Level  |
| NOEL     | No Observed Effect Level  |
| NOEC     | No Observed Effect Concentration  |
| OEL      | Occupational Exposure Limit   |
| PBT      | Persistent, Bioaccumulative and Toxic substance   |
| PNEC     | Predicted No Effect Concentration   |
| REACH    | Registration, Evaluation, Authorisation and Restriction of Chemicals                        |
| RID      | Regulations concerning the International Transport of Dangerous Goods by Rail               |
| STEL     | Short Term Exposure Limit   |
| TLV      | Threshold Limit Value   |
| TRGS900  | Arbeitsplatzgrenswerte (DE)   |
| TWA      | Time Weighted Average   |
| VOC      | Volatile Organic Compound   |
| vPvB     | very Persistent and very Bioaccumulative substance  |

**Key literature references and sources for data:**

Safety Data Sheet from the supplier.  
ECHA

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

## Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

| Classification according to Regulation (EC) No 1272/2008 as amended. | Classification procedure |
|--|--------------------------|
| Skin irritation, Category 2  | Calculation method       |
| Serious eye damage, Category 1                                       | Calculation method       |
| Skin sensitizer, Category 1  | Calculation method       |
| Toxic to reproduction, Category 1B                                   | Calculation method       |
| Chronic hazards to the aquatic environment, Category 3               | Calculation method       |

### Wording of the H-statements in section 2 and 3

|        |  |
|--------|--|
| H315   | Causes skin irritation.  |
| H317   | May cause an allergic skin reaction.                               |
| H318   | Causes serious eye damage.   |
| H360   | May damage fertility or the unborn child.                          |
| H360Df | May damage the unborn child. Suspected of damaging fertility.      |
| H361f  | Suspected of damaging fertility.                                   |
| H373   | May cause damage to organs through prolonged or repeated exposure. |
| 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.                   |
| H412   | Harmful to aquatic life with long lasting effects.                 |

**Training information:** Follow training instructions when handling this material.

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.