



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

- 1.1 Product identifier:** Gel On - Pastel Lil'Chick
- Other means of identification:**  
Non-applicable
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Cosmetics  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
GLAMOUR NAGELPRODUCTEN  
Parijsboulevard 255  
6135 LJ Sittard - Netherlands  
Phone.: 0031462041501 - Fax: 0031462041502  
shop@glamournagelproducten.nl  
www.glamournagelproducten.nl
- 1.4 Emergency telephone number:** 1-352-323-3500

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

- 2.1 Classification of the substance or mixture:**  
This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009
- CLP Regulation (EC) No 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
- Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412  
Eye Irrit. 2: Eye irritation, Category 2, H319  
Skin Irrit. 2: Skin irritation, Category 2, H315  
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317
- 2.2 Label elements:**
- CLP Regulation (EC) No 1272/2008:**
- Warning**
- 
- Hazard statements:**  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.  
Eye Irrit. 2: H319 - Causes serious eye irritation.  
Skin Irrit. 2: H315 - Causes skin irritation.  
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
- Precautionary statements:**  
P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264: Wash thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501: Dispose of contents/container according to the separated collection system used in your municipality.
- Supplementary information:**  
Contains 2-ethylhexyl acrylate, 2-hydroxyethyl methacrylate, Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate, mequinol, Methacrylic acid, monoester with propane-1,2-diol.
- Substances that contribute to the classification**  
Polyurethane Acrylate Oligomor; Neopentyl glycol propoxylate diacrylate

\*\* Changes with regards to the previous version

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

**2.3 Other hazards:**

Product fails to meet PBT/vPvB criteria

\*\* Changes with regards to the previous version

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:**

Non-applicable

**3.2 Mixture:****Chemical description:** Mixture of substances**Components:**

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

| Identification  | Chemical name/Classification  | Concentration |
|---|---|---------------|
| CAS: Non-applicable<br>EC: Non-applicable<br>Index: Non-applicable<br>REACH: Non-applicable | <b>Polyurethane Acrylate Oligomor<sup>(1)</sup></b> Self-classified<br>Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Warning  | 50 - <75 %    |
| CAS: 868-77-9<br>EC: 212-782-2<br>Index: 607-124-00-X<br>REACH: 01-2119490169-29-XXXX       | <b>2-hydroxyethyl methacrylate<sup>(1)</sup></b> ATP CLP00<br>Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning            | 10 - <25 %    |
| CAS: 27813-02-1<br>EC: 248-666-3<br>Index: Non-applicable<br>REACH: 01-2119490226-37-XXXX   | <b>Methacrylic acid, monoester with propane-1,2-diol<sup>(1)</sup></b> Self-classified<br>Regulation 1272/2008 Eye Irrit. 2: H319; Skin Sens. 1: H317 - Warning     | 10 - <25 %    |
| CAS: 84434-11-7<br>EC: 282-810-6<br>Index: Non-applicable<br>REACH: 01-2119987994-10-XXXX   | <b>Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate<sup>(1)</sup></b> Self-classified<br>Regulation 1272/2008 Aquatic Chronic 2: H411; Skin Sens. 1B: H317 - Warning | 10 - <25 %    |
| CAS: 84170-74-1<br>EC: 617-546-6<br>Index: Non-applicable<br>REACH: 01-2119970213-43-XXXX   | <b>Neopentyl glycol propoxylate diacrylate<sup>(1)</sup></b> Self-classified<br>Regulation 1272/2008 Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning         | 1 - <2,5 %    |
| CAS: 103-11-7<br>EC: 203-080-7<br>Index: 607-107-00-7<br>REACH: 01-2119453158-37-XXXX       | <b>2-ethylhexyl acrylate<sup>(1)</sup></b> ATP CLP00<br>Regulation 1272/2008 Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H335 - Warning                     | 1 - <2,5 %    |
| CAS: 150-76-5<br>EC: 205-769-8<br>Index: 604-044-00-7<br>REACH: 01-2119541813-40-XXXX       | <b>mequinol<sup>(1)</sup></b> ATP CLP00<br>Regulation 1272/2008 Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Sens. 1: H317 - Warning                                | <1 %          |

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

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

## SECTION 4: FIRST AID MEASURES

**4.1 Description of first aid measures:**

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

**By inhalation:**

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

**By skin contact:**

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

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#### SECTION 4: FIRST AID MEASURES (continued)

##### By eye contact:

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

##### By ingestion/aspiration:

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

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

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

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

Non-applicable

#### SECTION 5: FIREFIGHTING MEASURES

##### 5.1 Extinguishing media:

###### Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

###### Unsuitable extinguishing media:

Non-applicable

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

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

##### 5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

###### Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

##### 6.2 Environmental precautions:

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

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

It is recommended:

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

##### 6.4 Reference to other sections:

See sections 8 and 13.

#### SECTION 7: HANDLING AND STORAGE

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## Safety data sheet

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## SECTION 7: HANDLING AND STORAGE (continued)

### 7.1 Precautions for safe handling:

#### A.- Precautions for safe manipulation

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

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

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

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

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

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

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

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

#### A.- Technical measures for storage

Minimum Temp.: 5 °C  
 Maximum Temp.: 30 °C  
 Maximum time: 6 Months

#### B.- General conditions for storage

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

### 7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no occupational exposure limits for the substances contained in the product

#### DNEL (Workers):

| Identification  |            | Short exposure |                      | Long exposure          |                      |
|---|------------|----------------|----------------------|------------------------|----------------------|
|   |            | Systemic       | Local                | Systemic               | Local                |
| 2-hydroxyethyl methacrylate<br>CAS: 868-77-9<br>EC: 212-782-2                         | Oral       | Non-applicable | Non-applicable       | Non-applicable         | Non-applicable       |
|   | Dermal     | Non-applicable | Non-applicable       | 1,3 mg/kg              | Non-applicable       |
|   | Inhalation | Non-applicable | Non-applicable       | 4,9 mg/m <sup>3</sup>  | Non-applicable       |
| Methacrylic acid, monoester with propane-1,2-diol<br>CAS: 27813-02-1<br>EC: 248-666-3 | Oral       | Non-applicable | Non-applicable       | Non-applicable         | Non-applicable       |
|   | Dermal     | Non-applicable | Non-applicable       | 4,2 mg/kg              | Non-applicable       |
|   | Inhalation | Non-applicable | Non-applicable       | 14,7 mg/m <sup>3</sup> | Non-applicable       |
| Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate<br>CAS: 84434-11-7<br>EC: 282-810-6   | Oral       | Non-applicable | Non-applicable       | Non-applicable         | Non-applicable       |
|   | Dermal     | Non-applicable | Non-applicable       | 1,4 mg/kg              | Non-applicable       |
|   | Inhalation | Non-applicable | Non-applicable       | 4,93 mg/m <sup>3</sup> | Non-applicable       |
| Neopentyl glycol propoxylate diacrylate<br>CAS: 84170-74-1<br>EC: 617-546-6           | Oral       | Non-applicable | Non-applicable       | Non-applicable         | Non-applicable       |
|   | Dermal     | Non-applicable | Non-applicable       | 46,7 mg/kg             | Non-applicable       |
|   | Inhalation | Non-applicable | Non-applicable       | 32,9 mg/m <sup>3</sup> | Non-applicable       |
| 2-ethylhexyl acrylate<br>CAS: 103-11-7<br>EC: 203-080-7                               | Oral       | Non-applicable | Non-applicable       | Non-applicable         | Non-applicable       |
|   | Dermal     | Non-applicable | Non-applicable       | 6,5 mg/kg              | Non-applicable       |
|   | Inhalation | Non-applicable | 38 mg/m <sup>3</sup> | Non-applicable         | 38 mg/m <sup>3</sup> |
| mequinal<br>CAS: 150-76-5<br>EC: 205-769-8  | Oral       | Non-applicable | Non-applicable       | Non-applicable         | Non-applicable       |
|   | Dermal     | Non-applicable | Non-applicable       | Non-applicable         | Non-applicable       |
|   | Inhalation | Non-applicable | Non-applicable       | 3 mg/m <sup>3</sup>    | Non-applicable       |

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**Gel On - Pastel Lil'Chick**



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

**DNEL (General population):**

| Identification  |            | Short exposure |                | Long exposure          |                       |
|---|------------|----------------|----------------|------------------------|-----------------------|
|   |            | Systemic       | Local          | Systemic               | Local                 |
| 2-hydroxyethyl methacrylate<br>CAS: 868-77-9<br>EC: 212-782-2                         | Oral       | Non-applicable | Non-applicable | 0,83 mg/kg             | Non-applicable        |
|   | Dermal     | Non-applicable | Non-applicable | 0,83 mg/kg             | Non-applicable        |
|   | Inhalation | Non-applicable | Non-applicable | 2,9 mg/m <sup>3</sup>  | Non-applicable        |
| Methacrylic acid, monoester with propane-1,2-diol<br>CAS: 27813-02-1<br>EC: 248-666-3 | Oral       | Non-applicable | Non-applicable | 2,5 mg/kg              | Non-applicable        |
|   | Dermal     | Non-applicable | Non-applicable | 2,5 mg/kg              | Non-applicable        |
|   | Inhalation | Non-applicable | Non-applicable | 8,8 mg/m <sup>3</sup>  | Non-applicable        |
| Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate<br>CAS: 84434-11-7<br>EC: 282-810-6   | Oral       | Non-applicable | Non-applicable | 0,5 mg/kg              | Non-applicable        |
|   | Dermal     | Non-applicable | Non-applicable | 0,5 mg/kg              | Non-applicable        |
|   | Inhalation | Non-applicable | Non-applicable | 0,87 mg/m <sup>3</sup> | Non-applicable        |
| 2-ethylhexyl acrylate<br>CAS: 103-11-7<br>EC: 203-080-7                               | Oral       | Non-applicable | Non-applicable | 0,23 mg/kg             | Non-applicable        |
|   | Dermal     | Non-applicable | Non-applicable | 2,34 mg/kg             | Non-applicable        |
|   | Inhalation | Non-applicable | Non-applicable | Non-applicable         | 4,5 mg/m <sup>3</sup> |

**PNEC:**

| Identification  |              |                |                         |               |
|---|--------------|----------------|-------------------------|---------------|
|   |              |                |                         |               |
| 2-hydroxyethyl methacrylate<br>CAS: 868-77-9<br>EC: 212-782-2                         | STP          | 10 mg/L        | Fresh water             | 0,482 mg/L    |
|   | Soil         | 0,476 mg/kg    | Marine water            | 0,482 mg/L    |
|   | Intermittent | 1 mg/L         | Sediment (Fresh water)  | 3,79 mg/kg    |
|   | Oral         | Non-applicable | Sediment (Marine water) | 3,79 mg/kg    |
| Methacrylic acid, monoester with propane-1,2-diol<br>CAS: 27813-02-1<br>EC: 248-666-3 | STP          | 10 mg/L        | Fresh water             | 0,904 mg/L    |
|   | Soil         | 0,727 mg/kg    | Marine water            | 0,904 mg/L    |
|   | Intermittent | 0,972 mg/L     | Sediment (Fresh water)  | 6,28 mg/kg    |
|   | Oral         | Non-applicable | Sediment (Marine water) | 6,28 mg/kg    |
| Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate<br>CAS: 84434-11-7<br>EC: 282-810-6   | STP          | Non-applicable | Fresh water             | 0,00101 mg/L  |
|   | Soil         | 0,0475 mg/kg   | Marine water            | 0,000101 mg/L |
|   | Intermittent | 0,0101 mg/L    | Sediment (Fresh water)  | 0,24 mg/kg    |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,024 mg/kg   |
| Neopentyl glycol propoxylate diacrylate<br>CAS: 84170-74-1<br>EC: 617-546-6           | STP          | 0,1 mg/L       | Fresh water             | 0,003 mg/L    |
|   | Soil         | 0,011 mg/kg    | Marine water            | 0 mg/L        |
|   | Intermittent | 0,027 mg/L     | Sediment (Fresh water)  | 0,064 mg/kg   |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,006 mg/kg   |
| 2-ethylhexyl acrylate<br>CAS: 103-11-7<br>EC: 203-080-7                               | STP          | 2,3 mg/L       | Fresh water             | 0,00272 mg/L  |
|   | Soil         | 1 mg/kg        | Marine water            | 0,000272 mg/L |
|   | Intermittent | 0,011 mg/L     | Sediment (Fresh water)  | 0,108 mg/kg   |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,0108 mg/kg  |
| mequinol<br>CAS: 150-76-5<br>EC: 205-769-8  | STP          | 10 mg/L        | Fresh water             | 0,014 mg/L    |
|   | Soil         | 0,017 mg/kg    | Marine water            | 0,001 mg/L    |
|   | Intermittent | Non-applicable | Sediment (Fresh water)  | 0,125 mg/kg   |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,013 mg/kg   |

**8.2 Exposure controls:**

**A.- General security and hygiene measures in the work place**

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

**B.- Respiratory protection**



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

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



C.- Specific protection for the hands

Non-applicable



D.- Ocular and facial protection

| Pictogram  | PPE   | Labelling   | CEN Standard                    | Remarks   |
|--|---|---|---------------------------------|---|
| <br>Mandatory face protection | Panoramic glasses against splash/projections. |  | EN 166:2002<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

E.- Body protection

| Pictogram | PPE                  | Labelling   | CEN Standard      | Remarks   |
|-----------|----------------------|---|-------------------|---|
|           | Work clothing        |   |                   | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994. |
|           | Anti-slip work shoes |  | EN ISO 20347:2012 | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007                                 |

F.- Additional emergency measures

| Emergency measure   | Standards                                       | Emergency measure  | Standards                                      |
|---|---|--|--|
| <br>Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 | <br>Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

|                           |                |
|---------------------------|----------------|
| V.O.C. (Supply):          | 20 % weight    |
| V.O.C. density at 20 °C:  | Non-applicable |
| Average carbon number:    | 6,5            |
| Average molecular weight: | 137,15 g/mol   |

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

For complete information see the product datasheet.

**Appearance:**

|                          |               |
|--------------------------|---------------|
| Physical state at 20 °C: | Liquid        |
| Appearance:              | Not available |
| Colour:                  | Not available |

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

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

|  |                        |
|--|------------------------|
| Odour:                                       | Not available          |
| Odour threshold:                             | Non-applicable *       |
| <b>Volatility:</b>                           |                        |
| Boiling point at atmospheric pressure:       | 219 °C                 |
| Vapour pressure at 20 °C:                    | 17 Pa                  |
| Vapour pressure at 50 °C:                    | 156,21 Pa (0,16 kPa)   |
| Evaporation rate at 20 °C:                   | Non-applicable *       |
| <b>Product description:</b>                  |                        |
| Density at 20 °C:                            | Non-applicable *       |
| Relative density at 20 °C:                   | Non-applicable *       |
| Dynamic viscosity at 20 °C:                  | Non-applicable *       |
| Kinematic viscosity at 20 °C:                | Non-applicable *       |
| Kinematic viscosity at 40 °C:                | Non-applicable *       |
| Concentration:                               | Non-applicable *       |
| pH:  | Non-applicable *       |
| Vapour density at 20 °C:                     | Non-applicable *       |
| Partition coefficient n-octanol/water 20 °C: | Non-applicable *       |
| Solubility in water at 20 °C:                |                        |
| Solubility properties:                       | Non-applicable *       |
| Decomposition temperature:                   | Non-applicable *       |
| Melting point/freezing point:                | Non-applicable *       |
| Explosive properties:                        | Non-applicable *       |
| Oxidising properties:                        | Non-applicable *       |
| <b>Flammability:</b>                         |                        |
| Flash Point:                                 | Non Flammable (>60 °C) |
| Heat of combustion:                          | Non-applicable *       |
| Flammability (solid, gas):                   | Non-applicable *       |
| Autoignition temperature:                    | 258 °C                 |
| Lower flammability limit:                    | Non-applicable *       |
| Upper flammability limit:                    | Non-applicable *       |
| <b>Explosive:</b>                            |                        |
| Lower explosive limit:                       | Non-applicable *       |
| Upper explosive limit:                       | Non-applicable *       |
| <b>9.2 Other information:</b>                |                        |
| Surface tension at 20 °C:                    | Non-applicable *       |
| Refraction index:                            | Non-applicable *       |

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

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

### 10.2 Chemical stability:

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

### 10.3 Possibility of hazardous reactions:

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

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## SECTION 10: STABILITY AND REACTIVITY (continued)

### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight       | Humidity       |
|--------------------|------------------|-------------------------|----------------|----------------|
| Not applicable     | Not applicable   | Not applicable          | Not applicable | Not applicable |

### 10.5 Incompatible materials:

| Acids              | Water          | Oxidising materials | Combustible materials | Others                        |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Not applicable      | Not applicable        | Avoid alkalis or strong bases |

### 10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

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

#### Dangerous health implications:

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

#### A- Ingestion (acute effect):

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

#### B- Inhalation (acute effect):

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

#### C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

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

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.  
IARC: 2-ethylhexyl acrylate (2B)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

#### E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

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

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

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

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

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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

### H- Aspiration hazard:

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

### Other information:

Non-applicable

### Specific toxicology information on the substances:

| Identification  | Acute toxicity  |                | Genus  |
|---|-----------------|----------------|--------|
|   | LD50 oral       | LD50 dermal    |        |
| 2-hydroxyethyl methacrylate<br>CAS: 868-77-9<br>EC: 212-782-2                         | LD50 oral       | 5050 mg/kg     | Rat    |
|   | LD50 dermal     | 3000 mg/kg     | Rabbit |
|   | LC50 inhalation | Non-applicable |        |
| Methacrylic acid, monoester with propane-1,2-diol<br>CAS: 27813-02-1<br>EC: 248-666-3 | LD50 oral       | 11200 mg/kg    | Rat    |
|   | LD50 dermal     | 5100 mg/kg     | Rabbit |
|   | LC50 inhalation | Non-applicable |        |
| Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate<br>CAS: 84434-11-7<br>EC: 282-810-6   | LD50 oral       | 5500 mg/kg     | Rat    |
|   | LD50 dermal     | 2000 mg/kg     | Rat    |
|   | LC50 inhalation | Non-applicable |        |
| 2-ethylhexyl acrylate<br>CAS: 103-11-7<br>EC: 203-080-7                               | LD50 oral       | 4435 mg/kg     | Rat    |
|   | LD50 dermal     | 7552 mg/kg     | Rabbit |
|   | LC50 inhalation | Non-applicable |        |
| mequinol<br>CAS: 150-76-5<br>EC: 205-769-8  | LD50 oral       | 500 mg/kg      | Rat    |
|   | LD50 dermal     | Non-applicable |        |
|   | LC50 inhalation | Non-applicable |        |

## SECTION 12: ECOLOGICAL INFORMATION

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

### 12.1 Toxicity:

| Identification  | Acute toxicity |                  | Species                         | Genus      |
|---|----------------|------------------|---------------------------------|------------|
|   | LC50           | EC50             |                                 |            |
| 2-hydroxyethyl methacrylate<br>CAS: 868-77-9<br>EC: 212-782-2                         | LC50           | 227 mg/L (96 h)  | Pimephales promelas             | Fish       |
|   | EC50           | Non-applicable   |                                 |            |
|   | EC50           | Non-applicable   |                                 |            |
| Methacrylic acid, monoester with propane-1,2-diol<br>CAS: 27813-02-1<br>EC: 248-666-3 | LC50           | 833 mg/L (96 h)  | Scophthalmus maximus            | Fish       |
|   | EC50           | 210 mg/L (48 h)  | Acartia tonsa                   | Crustacean |
|   | EC50           | Non-applicable   |                                 |            |
| Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate<br>CAS: 84434-11-7<br>EC: 282-810-6   | LC50           | 1.89 mg/L (96 h) | Danio rerio                     | Fish       |
|   | EC50           | 2.26 mg/L (48 h) | Daphnia magna                   | Crustacean |
|   | EC50           | 1.01 mg/L (72 h) | Desmodesmus subspicatus         | Algae      |
| Neopentyl glycol propoxylate diacrylate<br>CAS: 84170-74-1<br>EC: 617-546-6           | LC50           | 2.7 mg/L (96 h)  | Danio rerio                     | Fish       |
|   | EC50           | 37 mg/L (48 h)   | Daphnia magna                   | Crustacean |
|   | EC50           | 3.4 mg/L (72 h)  | Pseudokirchneriella subcapitata | Algae      |
| mequinol<br>CAS: 150-76-5<br>EC: 205-769-8  | LC50           | 110 mg/L (96 h)  | Pimephales promelas             | Fish       |
|   | EC50           | Non-applicable   |                                 |            |
|   | EC50           | Non-applicable   |                                 |            |

### 12.2 Persistence and degradability:

| Identification  | Degradability |                | Biodegradability |                |
|---|---------------|----------------|------------------|----------------|
|   | BOD5          | COD            | Concentration    | Period         |
| 2-hydroxyethyl methacrylate<br>CAS: 868-77-9<br>EC: 212-782-2                         | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
|   | COD           | Non-applicable | Period           | 14 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 95 %           |
| Methacrylic acid, monoester with propane-1,2-diol<br>CAS: 27813-02-1<br>EC: 248-666-3 | BOD5          | Non-applicable | Concentration    | Non-applicable |
|   | COD           | Non-applicable | Period           | Non-applicable |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 81 %           |

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Safety data sheet

This SDS is an English translation of Regulation (EU) n° 2015/830, without any country-specific legislation



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

| Identification  | Degradability |                | Biodegradability |          |
|---|---------------|----------------|------------------|----------|
|   |               |                |                  |          |
| Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate<br>CAS: 84434-11-7<br>EC: 282-810-6 | BOD5          | Non-applicable | Concentration    | 100 mg/L |
|   | COD           | Non-applicable | Period           | 28 days  |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 5 %      |
| Neopentyl glycol propoxylate diacrylate<br>CAS: 84170-74-1<br>EC: 617-546-6         | BOD5          | Non-applicable | Concentration    | 2 mg/L   |
|   | COD           | Non-applicable | Period           | 56 days  |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 70 %     |
| mequinol<br>CAS: 150-76-5<br>EC: 205-769-8  | BOD5          | Non-applicable | Concentration    | 100 mg/L |
|   | COD           | Non-applicable | Period           | 28 days  |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 86 %     |

**12.3 Bioaccumulative potential:**

| Identification  | Bioaccumulation potential |      |
|---|---------------------------|------|
|   |                           |      |
| 2-hydroxyethyl methacrylate<br>CAS: 868-77-9<br>EC: 212-782-2                         | BCF                       | 3    |
|   | Pow Log                   | 0.47 |
|   | Potential                 | Low  |
| Methacrylic acid, monoester with propane-1,2-diol<br>CAS: 27813-02-1<br>EC: 248-666-3 | BCF                       | 3    |
|   | Pow Log                   | 0.97 |
|   | Potential                 | Low  |
| mequinol<br>CAS: 150-76-5<br>EC: 205-769-8  | BCF                       | 9    |
|   | Pow Log                   | 1.58 |
|   | Potential                 | Low  |

**12.4 Mobility in soil:**

| Identification  | Absorption/desorption |                          | Volatility |                             |
|---|-----------------------|--------------------------|------------|-----------------------------|
|   |                       |                          |            |                             |
| Methacrylic acid, monoester with propane-1,2-diol<br>CAS: 27813-02-1<br>EC: 248-666-3 | Koc                   | 80                       | Henry      | 9E-4 Pa·m <sup>3</sup> /mol |
|   | Conclusion            | High                     | Dry soil   | Non-applicable              |
|   | Surface tension       | Non-applicable           | Moist soil | Non-applicable              |
| Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate<br>CAS: 84434-11-7<br>EC: 282-810-6   | Koc                   | 2344.2                   | Henry      | Non-applicable              |
|   | Conclusion            | Low                      | Dry soil   | Non-applicable              |
|   | Surface tension       | Non-applicable           | Moist soil | Non-applicable              |
| 2-ethylhexyl acrylate<br>CAS: 103-11-7<br>EC: 203-080-7                               | Koc                   | Non-applicable           | Henry      | Non-applicable              |
|   | Conclusion            | Non-applicable           | Dry soil   | Non-applicable              |
|   | Surface tension       | 2,58E-2 N/m (25 °C)      | Moist soil | Non-applicable              |
| mequinol<br>CAS: 150-76-5<br>EC: 205-769-8  | Koc                   | Non-applicable           | Henry      | Non-applicable              |
|   | Conclusion            | Non-applicable           | Dry soil   | Non-applicable              |
|   | Surface tension       | 1,942E-2 N/m (270,35 °C) | Moist soil | Non-applicable              |

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

Product fails to meet PBT/vPvB criteria

**12.6 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

| Code | Description   | Waste class (Regulation (EU) No 1357/2014) |
|------|---|--|
|      | It is not possible to assign a specific code, as it depends on the intended use by the user | Dangerous                                  |

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

HP14 Ecotoxic, HP13 Sensitising, HP4 Irritant — skin irritation and eye damage

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

- CONTINUED ON NEXT PAGE -



### SECTION 13: DISPOSAL CONSIDERATIONS (continued)

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

#### Regulations related to waste management:

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

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

### SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

### SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

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

#### Seveso III:

Non-applicable

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

Shall not be used in:

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

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

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

#### Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

#### 15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

### SECTION 16: OTHER INFORMATION \*\*

#### Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830).

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

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

- Hazard statements
- Substances contained in EUH208:
  - New declared substances
  - Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate (84434-11-7)

\*\* Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -



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

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

H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H412: Harmful to aquatic life with long lasting effects.  
 H319: Causes serious eye irritation.

### Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

### CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed.  
 Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Skin Irrit. 2: H315 - Causes skin irritation.  
 Skin Sens. 1: H317 - May cause an allergic skin reaction.  
 Skin Sens. 1A: H317 - May cause an allergic skin reaction.  
 Skin Sens. 1B: H317 - May cause an allergic skin reaction.  
 STOT SE 3: H335 - May cause respiratory irritation.

### Classification procedure:

Skin Irrit. 2: Calculation method  
 Skin Sens. 1A: Calculation method  
 Aquatic Chronic 3: Calculation method  
 Eye Irrit. 2: Calculation method

### Advice related to training:

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

### Principal bibliographical sources:

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

### Abbreviations and acronyms:

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

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

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -