

**ZWALUW POLYSOFT PROFESSIONEEL 1,5KG WIT**  
Supersedes Date: 29-Jun-2020Revision date 11-Feb-2021  
Revision Number 2**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product Name** ZWALUW POLYSOFT PROFESSIONEEL 1,5KG WIT  
**Pure substance/mixture** Mixture**1.2. Relevant identified uses of the substance or mixture and uses advised against****Recommended use** Fillers, putties, plasters, modelling clay.  
**Uses advised against** None known**1.3. Details of the supplier of the safety data sheet****Company Name**Bostik Benelux B.V.  
Denariusstraat 11  
4903 RC Oosterhout  
The Netherlands  
Tel: + 31 162 491 000**E-mail address** SDS.box-EU@bostik.com**1.4. Emergency telephone number****United Kingdom** +44 (1785) 272650  
**Ireland** +353 (1) 8624900 (Monday- Friday 9am-5pm)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008

|   |                      |
|---|----------------------|
| <b>Skin corrosion/irritation</b>                          | Category 2 - (H315)  |
| <b>Serious eye damage/eye irritation</b>                  | Category 2 - (H319)  |
| <b>Skin sensitisation</b>                                 | Category 1A - (H317) |
| <b>Reproductive toxicity</b>                              | Category 2 - (H361)  |
| <b>Specific target organ toxicity — repeated exposure</b> | Category 1 - (H372)  |
| <b>Flammable liquids</b>                                  | Category 3 - (H226)  |

**2.2. Label elements**

Contains Styrene, Maleic anhydride, Cobalt bis(2-ethylhexanoate)

**Signal word**

Danger

**Hazard statements**

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H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H361d - Suspected of damaging the unborn child.  
H372 - Causes damage to organs through prolonged or repeated exposure.  
H226 - Flammable liquid and vapour.

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

P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P405 - Store locked up  
P501 - Dispose of contents/ container to an approved waste disposal plant

## Additional information

This product requires tactile warnings if supplied to the general public. This product requires child resistant fastenings if supplied to the general public.

## 2.3. Other hazards

No information available.

## PBT & vPvB

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Chemical name   | EC No     | CAS No     | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP]   | Specific concentration limit (SCL) | REACH registration number |
|---|-----------|------------|----------|---|------------------------------------|---------------------------|
| Styrene   | 202-851-5 | 100-42-5   | 10 - <20 | STOT RE 1 (H372)<br>Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)<br>Repr. 2 (H361d)<br>Acute Tox. 4 (H332)<br>Flam Liq. 3 (H226)<br>Asp. Tox. 1 (H304)<br>STOT SE 3 (H335)<br>Aquatic Chronic 3 (H412) |                                    | 01-2119457861-32-XXXX     |
| Reaction mass of ethylbenzene and m-xylene and p-xylene | 905-562-9 | RR-93095-0 | 1 - <3   | Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)<br>Acute Tox. 4   |                                    | 01-2119488216-32-XXXX     |

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|                              |           |          |             |  |                               |                       |
|------------------------------|-----------|----------|-------------|--|-------------------------------|-----------------------|
|                              |           |          |             | (H312)<br>Acute Tox. 4<br>(H332) SE 3<br>(H335)<br>STOT RE 2<br>(H373)<br>Asp. Tox. 1<br>(H304)<br>Flam. Liq. 3<br>(H226)  |                               |                       |
| Ethyl acetate                | 205-500-4 | 141-78-6 | 0.1 - <1    | Eye Irrit. 2<br>(H319)<br>STOT SE 3<br>(H336)<br>Flam. Liq. 2<br>(H225)<br>(EUH066)  |                               | 01-2119475103-46-XXXX |
| Maleic anhydride             | 203-571-6 | 108-31-6 | 0.01 - <0.1 | Acute Tox. 4<br>(H302)<br>Skin Corr. 1B<br>(H314)<br>Eye Dam. 1<br>(H318)<br>Resp. Sens. 1<br>(H334)<br>Skin Sens. 1A<br>(H317)<br>STOT RE 1<br>(H372)<br>(EUH071) | Skin Sens. 1A ::<br>C>=0.001% | 01-2119472428-31-XXXX |
| Cobalt bis(2-ethylhexanoate) | 205-250-6 | 136-52-7 | 0.01 - <0.1 | Eye Irrit. 2<br>(H319)<br>Skin Sens. 1A<br>(H317)<br>Repr. 1B<br>(H360f)<br>Aquatic Acute 1<br>(H400)<br>Aquatic Chronic 3 (H412)                                  |                               | 01-2119524678-29-XXXX |

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

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                       |  |
|-----------------------|--|
| <b>General advice</b> | Show this safety data sheet to the doctor in attendance.                                 |
| <b>Inhalation</b>     | Remove to fresh air. Get medical attention immediately if symptoms occur.                |
| <b>Eye contact</b>    | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. |

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Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

|   |  |
|---|--|
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.  |
| <b>Ingestion</b>                          | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.   |
| <b>Self-protection of the first aider</b> | Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. |

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

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

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

**Note to doctors** May cause sensitisation in susceptible persons. Treat symptomatically.

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**Unsuitable extinguishing media** No information available.

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

**Specific hazards arising from the chemical** Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitiser. May cause sensitisation by skin contact.

### 5.3. Advice for firefighters

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

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

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

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

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**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

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

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

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

### 7.1. Precautions for safe handling

**Advice on safe handling** Use personal protection equipment. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Remove contaminated clothing and shoes.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children.

### 7.3. Specific end use(s)

**Specific use(s)**  
Fillers, putties, plasters, modelling clay.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**Other information** Observe technical data sheet.

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

### 8.1. Control parameters

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## Exposure Limits

| Chemical name             | European Union  | Ireland   | United Kingdom  |
|---------------------------|---|---|---|
| Styrene<br>100-42-5       | -   | TWA: 85 mg/m <sup>3</sup><br>TWA: 20 ppm<br>STEL: 40 ppm<br>STEL: 170 mg/m <sup>3</sup>     | TWA: 100 ppm<br>TWA: 430 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 1080 mg/m <sup>3</sup> |
| Ethyl acetate<br>141-78-6 | TWA: 734 mg/m <sup>3</sup><br>TWA: 200 ppm<br>STEL: 1468 mg/m <sup>3</sup><br>STEL: 400 ppm | TWA: 734 mg/m <sup>3</sup><br>TWA: 200 ppm<br>STEL: 1468 mg/m <sup>3</sup><br>STEL: 400 ppm | TWA: 734 mg/m <sup>3</sup><br>TWA: 200 ppm<br>STEL: 1468 mg/m <sup>3</sup><br>STEL: 400 ppm |

Derived No Effect Level (DNEL) No information available

| Derived No Effect Level (DNEL)                  |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Styrene (100-42-5)                              |                |                                |               |
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Long term<br>Systemic health effects  | Inhalation     | 85 mg/m <sup>3</sup>           |               |
| worker<br>Short term<br>Systemic health effects | Inhalation     | 289 mg/m <sup>3</sup>          |               |
| worker<br>Long term<br>Systemic health effects  | Dermal         | 406 mg/kg bw/d                 |               |

| Reaction mass of ethylbenzene and m-xylene and p-xylene (RR-93095-0) |                |                                |               |
|--|----------------|--------------------------------|---------------|
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Long term<br>Systemic health effects                       | Inhalation     | 221 mg/m <sup>3</sup>          |               |
| worker<br>Short term<br>Systemic health effects                      | Inhalation     | 442 mg/m <sup>3</sup>          |               |
| worker<br>Long term<br>Local health effects                          | Inhalation     | 221 mg/m <sup>3</sup>          |               |
| worker<br>Short term<br>Local health effects                         | Inhalation     | 442 mg/m <sup>3</sup>          |               |
| worker<br>Long term<br>Systemic health effects                       | Dermal         | 212 mg/kg bw/d                 |               |

| Ethyl acetate (141-78-6)                        |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Long term<br>Systemic health effects  | Dermal         | 63 mg/kg bw/d                  |               |
| worker<br>Short term<br>Systemic health effects | Inhalation     | 1468 mg/m <sup>3</sup>         |               |
| worker<br>Long term<br>Local health effects     | Inhalation     | 734 mg/m <sup>3</sup>          |               |

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|--|------------|------------------------|--|
| worker<br>Short term<br>Local health effects   | Inhalation | 1468 mg/m <sup>3</sup> |  |
| worker<br>Long term<br>Systemic health effects | Inhalation | 734 mg/m <sup>3</sup>  |  |

| <b>Maleic anhydride (108-31-6)</b>              |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Long term<br>Systemic health effects  | Inhalation     | 0.4 mg/m <sup>3</sup>          |               |
| worker<br>Short term<br>Systemic health effects | Inhalation     | 0.8 mg/m <sup>3</sup>          |               |
| worker<br>Long term<br>Local health effects     | Inhalation     | 0.4 mg/m <sup>3</sup>          |               |
| worker<br>Short term<br>Local health effects    | Inhalation     | 0.8 mg/m <sup>3</sup>          |               |

| <b>Cobalt bis(2-ethylhexanoate) (136-52-7)</b> |                |                                |               |
|--|----------------|--------------------------------|---------------|
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Long term<br>Local health effects    | Inhalation     | 235.1 µg/cm <sup>2</sup>       |               |

| <b>Derived No Effect Level (DNEL)</b>             |                |                                |               |
|---|----------------|--------------------------------|---------------|
| <b>Ethyl acetate (141-78-6)</b>                   |                |                                |               |
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term<br>Systemic health effects  | Oral           | 4.5 mg/kg bw/d                 |               |
| Consumer<br>Long term<br>Systemic health effects  | Dermal         | 37 mg/kg bw/d                  |               |
| Consumer<br>Short term<br>Systemic health effects | Inhalation     | 734 mg/m <sup>3</sup>          |               |
| Consumer<br>Long term<br>Local health effects     | Inhalation     | 367 mg/m <sup>3</sup>          |               |
| Consumer<br>Short term<br>Local health effects    | Inhalation     | 734 mg/m <sup>3</sup>          |               |
| Consumer<br>Long term<br>Systemic health effects  | Inhalation     | 367 mg/m <sup>3</sup>          |               |

| <b>Cobalt bis(2-ethylhexanoate) (136-52-7)</b> |                |                                |               |
|--|----------------|--------------------------------|---------------|
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term<br>Local health effects  | Inhalation     | 37 µg/cm <sup>2</sup>          |               |

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|  |      |                   |  |
|--|------|-------------------|--|
| Consumer<br>Long term<br>Systemic health effects | Oral | 55.8 µg/Kg bw/day |  |
|--|------|-------------------|--|

**Predicted No Effect Concentration (PNEC)** No information available.  
**(PNEC)**

| <b>Predicted No Effect Concentration (PNEC)</b> |  |
|---|--|
| <b>Styrene (100-42-5)</b>                       |  |
| Environmental compartment                       | Predicted No Effect Concentration (PNEC) |
| Freshwater                                      | 0.028 mg/l                               |
| Marine water                                    | 0.014 mg/l                               |
| Freshwater - intermittent                       | 0.04 mg/l                                |
| Freshwater sediment                             | 0.614 mg/kg dry weight                   |
| Marine sediment                                 | 0.307 mg/kg dry weight                   |
| Sewage treatment plant                          | 5 mg/l                                   |
| Soil  | 0.2 mg/kg dry weight                     |

| <b>Reaction mass of ethylbenzene and m-xylene and p-xylene (RR-93095-0)</b> |  |
|---|--|
| Environmental compartment   | Predicted No Effect Concentration (PNEC) |
| Freshwater  | 0.327 mg/l                               |
| Marine water  | 0.327 mg/l                               |
| Sewage treatment plant  | 6.58 mg/l                                |
| Freshwater sediment   | 12.6 mg/kg dry weight                    |
| Soil  | 2.31 mg/kg dry weight                    |

| <b>Ethyl acetate (141-78-6)</b>    |  |
|------------------------------------|--|
| Environmental compartment          | Predicted No Effect Concentration (PNEC) |
| Freshwater                         | 0.26 mg/l                                |
| Marine water                       | 0.026 mg/l                               |
| Freshwater sediment                | 1.25 mg/kg                               |
| Marine sediment                    | 0.125 mg/kg                              |
| Soil                               | 0.24 mg/kg                               |
| Microorganisms in sewage treatment | 650 mg/l                                 |

| <b>Maleic anhydride (108-31-6)</b> |  |
|------------------------------------|--|
| Environmental compartment          | Predicted No Effect Concentration (PNEC) |
| Freshwater                         | 0.1 mg/l                                 |
| Marine water                       | 0.01 mg/l                                |
| Microorganisms in sewage treatment | 44.6 mg/l                                |
| Freshwater sediment                | 0.334 mg/kg dry weight                   |
| Marine water                       | 0.033 mg/kg dry weight                   |
| Soil                               | 0.042 mg/kg dry weight                   |

| <b>Cobalt bis(2-ethylhexanoate) (136-52-7)</b> |  |
|--|--|
| Environmental compartment                      | Predicted No Effect Concentration (PNEC) |
| Freshwater                                     | 3 µg/l                                   |
| Marine water                                   | 2.36 µg/l                                |
| Sewage treatment plant                         | 0.37 µg/l                                |
| Freshwater sediment                            | 9.5 mg/kg dry weight                     |
| Marine sediment                                | 9.5 µg/l                                 |
| Soil   | 10.9 mg/kg dry weight                    |

## 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

**Eye/face protection** Tight sealing safety goggles.  
**Skin and body protection** Suitable protective clothing.



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Environmental exposure controls No information available.

## SECTION 9: Physical and chemical properties

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

|                 |                          |
|-----------------|--------------------------|
| Physical state  | Liquid                   |
| Appearance      | Paste                    |
| Colour          | Off-white                |
| Odour           | Characteristic           |
| Odour threshold | No information available |

| Property                                | Values                       | Remarks • Method |
|---|------------------------------|------------------|
| pH                                      | No data available            |                  |
| Melting point / freezing point          | No data available            |                  |
| Initial boiling point and boiling range | = 145 °C                     |                  |
| Flash point                             | 23 - 60 °C                   |                  |
| Evaporation rate                        | No data available            |                  |
| Flammability                            | Not applicable for liquids . |                  |
| Flammability Limit in Air               |                              |                  |
| Upper flammability or explosive limits  | 8.9                          |                  |
| Lower flammability or explosive limits  | 1.2                          |                  |
| Vapour pressure                         | No data available            |                  |
| Relative vapour density                 | No data available            |                  |
| Relative density                        | No data available            |                  |
| Water solubility                        | Immiscible in water          |                  |
| Solubility(ies)                         | No data available            |                  |
| Partition coefficient                   | No data available            |                  |
| Autoignition temperature                | 490 °C                       |                  |
| Decomposition temperature               | No data available            |                  |
| Kinematic viscosity                     | > 21 mm <sup>2</sup> /s      | @ 40 °C          |
| Dynamic viscosity                       | No data available            |                  |
| Explosive properties                    | No data available            |                  |
| Oxidising properties                    | No data available            |                  |

### 9.2. Other information

|                   |                          |
|-------------------|--------------------------|
| Solid content (%) | No information available |
| VOC Content (%)   | approx 224.93 g/L / 14 % |
| Liquid Density    | 1.75                     |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity No information available.

### 10.2. Chemical stability

Stability Stable under normal conditions.

### Explosion data

|                                  |       |
|----------------------------------|-------|
| Sensitivity to mechanical impact | None. |
| Sensitivity to static discharge  | Yes.  |

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## 10.3. Possibility of hazardous reactions

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

## 10.4. Conditions to avoid

**Conditions to avoid** Heat, flames and sparks.

## 10.5. Incompatible materials

**Incompatible materials** Strong acids. Strong bases. Strong oxidising agents.

## 10.6. Hazardous decomposition products

**Hazardous decomposition products** None under normal use conditions. Stable under recommended storage conditions.

## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure

#### **Product Information**

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

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

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

#### Numerical measures of toxicity

#### **Acute toxicity**

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

|                                      |                |
|--------------------------------------|----------------|
| <b>ATEmix (dermal)</b>               | 9,918.00 mg/kg |
| <b>ATEmix (inhalation-dust/mist)</b> | 12.70 mg/l     |
| <b>ATEmix (inhalation-vapour)</b>    | 73.80 mg/l     |

#### **Component Information**

| Chemical name   | Oral LD50                 | Dermal LD50                            | Inhalation LC50                  |
|---|---------------------------|--|----------------------------------|
| Styrene<br>100-42-5   | >6000 mg/kg (Rattus)      | LD50 > 2000 mg/kg (Rattus)<br>OECD 402 | LC50 (6h) > 2.13 mg/L<br>(Mouse) |
| Reaction mass of<br>ethylbenzene and m-xylene<br>and p-xylene<br>RR-93095-0 | LD50 =3523 mg/Kg (Rattus) |  |                                  |

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|--|-------------------------------------|--|-------------------------|
| Ethyl acetate<br>141-78-6                | =5620 mg/kg (Rattus)                | > 18000 mg/kg (Oryctolagus cuniculus) > 20 mL/kg (Oryctolagus cuniculus) | LC0 29.3 mg/l air       |
| Maleic anhydride<br>108-31-6             | LD50 = 1090 mg/kg (Rattus) OECD 401 | = 2620 mg/kg (Oryctolagus cuniculus)                                     | >4.35 mg/L (Rattus) 1 h |
| Cobalt bis(2-ethylhexanoate)<br>136-52-7 | 3125 mg/Kg (Rattus) (OECD 425)      | > 5000 mg/kg (Oryctolagus cuniculus)                                     | >10 mg/L (Rattus) 1 h   |

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

|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>         | Classification based on data available for ingredients. Irritating to skin.  |
| <b>Serious eye damage/eye irritation</b> | Classification based on data available for ingredients. Causes serious eye irritation.   |
| <b>Respiratory or skin sensitisation</b> | May cause sensitisation by skin contact.   |
| <b>Germ cell mutagenicity</b>            | Based on available data, the classification criteria are not met.  |
| <b>Carcinogenicity</b>                   | Based on available data, the classification criteria are not met.  |
| <b>Reproductive toxicity</b>             | Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child. |

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

| Chemical name       | European Union |
|---------------------|----------------|
| Styrene<br>100-42-5 | Repr. 2        |

|                                 |   |
|---------------------------------|---|
| <b>STOT - single exposure</b>   | Based on available data, the classification criteria are not met. |
| <b>STOT - repeated exposure</b> | Causes damage to organs through prolonged or repeated exposure.   |
| <b>Aspiration hazard</b>        | Based on available data, the classification criteria are not met. |

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

Endocrine disrupting properties .

### 11.2.2. Other information

**Other adverse effects** No information available.

## **SECTION 12: Ecological information**

### 12.1. Toxicity

**Ecotoxicity** .

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| Chemical name                            | Algae/aquatic plants  | Fish  | Toxicity to microorganisms   | Crustacea                                      | M-Factor | M-Factor (long-term) |
|--|---|---|--|--|----------|----------------------|
| Styrene<br>100-42-5                      | EC50 72 h<br>0.46 - 4.3 mg/L<br>(Pseudokirchneriella subcapitata) | LC50 96 h 6.75<br>- 14.5 mg/L<br>(Pimephales promelas static)   | EC50 = 5.4<br>mg/L 5 min   | EC50: 3.3 -<br>7.4mg/L (48h,<br>Daphnia magna) |          |                      |
| Ethyl acetate<br>141-78-6                | EC50:<br>=3300mg/L<br>(48h,<br>Desmodesmus subspicatus)           | LC50:<br>=484mg/L (96h,<br>Oncorhynchus mykiss) LC50:<br>352 - 500mg/L<br>(96h,<br>Oncorhynchus mykiss) LC50:<br>220 - 250mg/L<br>(96h,<br>Pimephales promelas) | EC50 = 1180<br>mg/L 5 min<br>EC50 = 1500<br>mg/L 15 min<br>EC50 = 5870<br>mg/L 15 min<br>EC50 = 7400<br>mg/L 2 h | EC50:<br>=560mg/L (48h,<br>Daphnia magna)      |          |                      |
| Maleic anhydride<br>108-31-6             | EC50: =29mg/L<br>(72h,<br>Desmodesmus subspicatus)                | LC50 (96h) = 75<br>mg/L<br>(Oncorhynchus mykiss)  | -  | EC50: =84mg/L<br>(24h, Daphnia magna)          |          |                      |
| Cobalt bis(2-ethylhexanoate)<br>136-52-7 | -   | EC50 1.5 mg/L<br>dissolved cobalt<br>- read-across  | -  | -  | 1        |                      |

## 12.2. Persistence and degradability

**Persistence and degradability** No information available.

## 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

## Component Information

| Chemical name                | Partition coefficient | Bioconcentration factor (BCF) |
|------------------------------|-----------------------|-------------------------------|
| Styrene<br>100-42-5          | 2.96                  | 74                            |
| Ethyl acetate<br>141-78-6    | 0.6                   | 30                            |
| Maleic anhydride<br>108-31-6 | -2.61                 | -                             |

## 12.4. Mobility in soil

**Mobility in soil** No information available.

## 12.5. Results of PBT and vPvB assessment

### PBT and vPvB assessment

| Chemical name   | PBT and vPvB assessment  |
|---|--|
| Styrene<br>100-42-5   | The substance is not PBT / vPvB<br>PBT assessment does not apply |
| Reaction mass of ethylbenzene and m-xylene and p-xylene<br>RR-93095-0 | The substance is not PBT / vPvB                                  |
| Ethyl acetate   | The substance is not PBT / vPvB                                  |

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|  |  |
|--|--|
| 141-78-6                                 | PBT assessment does not apply                                    |
| Maleic anhydride<br>108-31-6             | The substance is not PBT / vPvB<br>PBT assessment does not apply |
| Cobalt bis(2-ethylhexanoate)<br>136-52-7 | The substance is not PBT / vPvB<br>PBT assessment does not apply |

## 12.6. Other adverse effects

Other adverse effects No information available.

## Endocrine Disruptor Information

| Chemical name | EU - Endocrine Disruptors Candidate List | EU - Endocrine Disruptors - Evaluated Substances |
|---------------|--|--|
| Styrene       | Group I Chemical                         | High Exposure Concern                            |

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |  |
|--|--|
| <b>Waste from residues/unused products</b> | Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| <b>Contaminated packaging</b>              | Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.  |
| <b>European Waste Catalogue</b>            | 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances   |
| <b>Other information</b>                   | Waste codes should be assigned by the user based on the application for which the product was used.  |

## SECTION 14: Transport information

**Note:** The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition).

### Land transport (ADR/RID)

|  |                              |
|--|------------------------------|
| <b>14.1 UN number or ID number</b>     | UN1263                       |
| <b>14.2 Proper Shipping Name</b>       | Paint                        |
| <b>14.3 Transport hazard class(es)</b> | 3                            |
| <b>Labels</b>                          | 3                            |
| <b>14.4 Packing group</b>              | III                          |
| <b>Description</b>                     | UN1263, Paint, 3, III, (D/E) |
| <b>14.5 Environmental hazards</b>      | Not applicable               |
| <b>14.6 Special Provisions</b>         | 163, 650, 367                |
| <b>Classification code</b>             | F1                           |
| <b>Tunnel restriction code</b>         | (D/E)                        |
| <b>Limited Quantity (LQ)</b>           | 5 L                          |
| <b>ADR Hazard Id (Kemmler Number)</b>  | 30                           |

### IMDG

|  |                                    |
|--|------------------------------------|
| <b>14.1 UN number or ID number</b>     | UN1263                             |
| <b>14.2 Proper Shipping Name</b>       | Paint                              |
| <b>14.3 Transport hazard class(es)</b> | 3                                  |
| <b>14.4 Packing group</b>              | III                                |
| <b>Description</b>                     | UN1263, Paint, 3, III, (23°C c.c.) |
| <b>14.5 Marine pollutant</b>           | NP                                 |
| <b>14.6 Special Provisions</b>         | 163, 223, 367, 955                 |

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|   |          |                |
|---|----------|----------------|
| Limited Quantity (LQ)   | 5 L      |                |
| EmS-No  | F-E, S-E |                |
| 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code |          | Not applicable |

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

|                                 |                       |
|---------------------------------|-----------------------|
| 14.1 UN number or ID number     | UN1263                |
| 14.2 Proper Shipping Name       | Paint                 |
| 14.3 Transport hazard class(es) | 3                     |
| 14.4 Packing group              | III                   |
| Description                     | UN1263, Paint, 3, III |
| 14.5 Environmental hazards      | Not applicable        |
| 14.6 Special Provisions         | A3, A72, A192         |
| Limited Quantity (LQ)           | 10 L                  |
| ERG Code                        | 3L                    |

## **Section 15: REGULATORY INFORMATION**

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

#### European Union

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

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

#### Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

##### **SVHC: Substances of Very High Concern for Authorisation:**

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

##### **EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction**

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

##### **Substance subject to authorisation per REACH Annex XIV**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

##### **Dangerous substance category per Seveso Directive (2012/18/EU)**

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

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

Not applicable

##### **Persistent Organic Pollutants**

Not applicable

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## National regulations

### 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

## **SECTION 16: Other information**

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

EUH066 - Repeated exposure may cause skin dryness or cracking  
EUH071 - Corrosive to the respiratory tract  
H225 - Highly flammable liquid and vapour  
H226 - Flammable liquid and vapour  
H302 - Harmful if swallowed  
H304 - May be fatal if swallowed and enters airways  
H312 - Harmful in contact with skin  
H314 - Causes severe skin burns and eye damage  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H360F - May damage fertility  
H361d - Suspected of damaging the unborn child  
H372 - Causes damage to organs through prolonged or repeated exposure  
H373 - May cause damage to organs through prolonged or repeated exposure  
H400 - Very toxic to aquatic life  
H412 - Harmful to aquatic life with long lasting effects

#### **Legend**

|         |   |
|---------|---|
| TWA     | TWA (time-weighted average)                               |
| STEL    | STEL (Short Term Exposure Limit)                          |
| Ceiling | Ceiling Limit Value                                       |
| *       | Skin designation  |
| SVHC    | Substance(s) of Very High Concern                         |
| PBT     | Persistent, Bioaccumulative, and Toxic (PBT) Chemicals    |
| vPvB    | Very Persistent and very Bioaccumulative (vPvB) Chemicals |
| STOT RE | Specific target organ toxicity - Repeated exposure        |
| STOT SE | Specific target organ toxicity - Single exposure          |
| EWC     | European Waste Catalogue                                  |

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

No information available

**Prepared By** Product Safety & Regulatory Affairs

**Revision date** 11-Feb-2021

#### **Indication of changes**

**Revision note** Not applicable.

**Training Advice** No information available

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Further information No information available

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

## Disclaimer

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**End of Safety Data Sheet**