

**10624501 - 10624506 - FIX-Rcrl Roof Repair Coating 5Kg, 10Kg & 20Kg**

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

**1.1 Product identifier:** 10624501 - 10624506 - FIX-Rcrl Roof Repair Coating 5Kg, 10Kg & 20Kg

**Other means of identification:**

10624501, 10624502, 10624503, 10624504, 10624505, 10624506

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

Relevant uses (Professional users): Roof coating

For Professional users only.

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:**

FIX-R

Harding Way

PE27 3YJ St Ives - Cambridgeshire - United Kingdom

Phone: +44 (0) 1480 466 777

sigassured@sigplc.com

www.fix-r.co.uk

**1.4 Emergency telephone number:** +44 (0) 1274 696979 (Monday - Friday 8am - 5pm GMT)

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture:**

**GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):**

Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).

Acute Tox. 4: Acute toxicity, Category 4, H312+H332

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411

Flam. Liq. 3: Flammable liquids, Category 3, H226

Skin Irrit. 2: Skin irritation, Category 2, H315

STOT RE 1: Specific target organ toxicity — Repeated exposure, Hazard Category 1 (Inhalation), H372

STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

**2.2 Label elements:**

**GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):**

Danger



**Hazard statements:**

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Skin Irrit. 2: H315 - Causes skin irritation.

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).

STOT SE 3: H336 - May cause drowsiness or dizziness.

**Precautionary statements:**

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

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233: Keep container tightly closed.  
P240: Ground/bond container and receiving equipment.  
P241: Use explosion-proof electrical/ventilating/lighting/equipment.  
P260: Do not breathe vapours  
P261: Avoid breathing vapours  
P264: Wash thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
P314: Get medical advice/attention if you feel unwell.  
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.  
P391: Collect spillage.  
P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P403+P235: Store in a well-ventilated place. Keep cool.  
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.

**Supplementary information:**

EUH208: Contains 2-ethylhexyl acrylate. May produce an allergic reaction.

**Substances that contribute to the classification**

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (CAS: 64742-82-1); Xylene (CAS: 1330-20-7); 2-ethylhexyl acrylate (CAS: 103-11-7); styrene (CAS: 100-42-5)

**2.3 Other hazards:**

Product does not meet PBT/vPvB criteria

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substance:**

Not relevant

**3.2 Mixture:**

**Chemical description:** Mixture of substances

**Components:**

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

| Identification   | Chemical name/Classification  | Concentration  |
|--|---|--|
| CAS: 64742-82-1<br>EC: 919-446-0<br>REACH: 01-2119458049-33-XXXX | <b>Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</b><br>Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT RE 1: H372; STOT SE 3: H336; EUH066 - Danger |  20 - <30 % |
| CAS: 1330-20-7<br>EC: 215-535-7<br>REACH: 01-2119488216-32-XXXX  | <b>Xylene</b><br>Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning   |  10 - <20 % |
| CAS: 103-11-7<br>EC: 203-080-7<br>REACH: 01-2119453158-37-XXXX   | <b>2-ethylhexyl acrylate</b><br>Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H335 - Warning  |  0.1 - <1 % |
| CAS: 100-42-5<br>EC: 202-851-5<br>REACH: 01-2119457861-32-XXXX   | <b>styrene</b><br>Acute Tox. 4: H332; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 1: H372 - Danger   |  0.1 - <1 % |

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

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

| Identification                            | Acute toxicity         |              | Genus |
|---|------------------------|--------------|-------|
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7 | LD50 oral              | Not relevant |       |
|   | LD50 dermal            | 1100 mg/kg   |       |
|   | LC50 inhalation vapour | 17 mg/L      | Rat   |
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5 | LD50 oral              | Not relevant |       |
|   | LD50 dermal            | Not relevant |       |
|   | LC50 inhalation vapour | 11.8 mg/L    | Rat   |

### 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:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

##### By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

##### By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for 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:

Not relevant

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media:

##### Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

##### Unsuitable extinguishing media:

Water jet

#### 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. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit, ...)

##### 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.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

#### For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

#### For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

### 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:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

### 6.4 Reference to other sections:

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

#### A.- General precautions for safe use

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

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. Consult section 10 for conditions and materials that should be avoided.

#### C.- Technical recommendations on general occupational hygiene

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.- Specific storage requirements

Store in a cool, dry, well-ventilated location

#### B.- General conditions for storage

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

#### Other information:

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**SECTION 7: HANDLING AND STORAGE (continued)**

Storage Temperatures: Between 15°C and 25°C  
Shelf Life: 12 Months

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

See Section 1.2

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

| Identification                          |  | Occupational exposure limits |         |                        |
|---|--|------------------------------|---------|------------------------|
| styrene<br>CAS: 100-42-5                |  | WEL (8h)                     | 100 ppm | 430 mg/m <sup>3</sup>  |
|   |  | WEL (15 min)                 | 250 ppm | 1080 mg/m <sup>3</sup> |
| Xylene <sup>(1)</sup><br>CAS: 1330-20-7 |  | WEL (8h)                     | 50 ppm  | 220 mg/m <sup>3</sup>  |
|   |  | WEL (15 min)                 | 100 ppm | 441 mg/m <sup>3</sup>  |

<sup>(1)</sup> Skin

**Biological limit values:**

BIOLOGICAL MONITORING GUIDANCE VALUES (BMGVs) - EH40/2005

| Identification           | NULL                   | NULL                          | NULL       |
|--------------------------|------------------------|-------------------------------|------------|
| Xylene<br>CAS: 1330-20-7 | 1030 mg/g (Creatinine) | Methyl hippuric acid in urine | Post shift |

**DNEL (Workers):**

| Identification  |            | Short exposure        |                       | Long exposure         |                       |
|---|------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   |            | Systemic              | Local                 | Systemic              | Local                 |
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)<br>CAS: 64742-82-1<br>EC: 919-446-0 | Oral       | Not relevant          | Not relevant          | Not relevant          | Not relevant          |
|   | Dermal     | Not relevant          | Not relevant          | 21 mg/kg              | Not relevant          |
|   | Inhalation | 570 mg/m <sup>3</sup> | Not relevant          | 330 mg/m <sup>3</sup> | Not relevant          |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | Oral       | Not relevant          | Not relevant          | Not relevant          | Not relevant          |
|   | Dermal     | Not relevant          | Not relevant          | 212 mg/kg             | Not relevant          |
|   | Inhalation | 442 mg/m <sup>3</sup> | 442 mg/m <sup>3</sup> | 221 mg/m <sup>3</sup> | 221 mg/m <sup>3</sup> |
| 2-ethylhexyl acrylate<br>CAS: 103-11-7<br>EC: 203-080-7   | Oral       | Not relevant          | Not relevant          | Not relevant          | Not relevant          |
|   | Dermal     | Not relevant          | Not relevant          | 6.5 mg/kg             | Not relevant          |
|   | Inhalation | Not relevant          | 38 mg/m <sup>3</sup>  | Not relevant          | 38 mg/m <sup>3</sup>  |
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5   | Oral       | Not relevant          | Not relevant          | Not relevant          | Not relevant          |
|   | Dermal     | Not relevant          | Not relevant          | 406 mg/kg             | Not relevant          |
|   | Inhalation | 289 mg/m <sup>3</sup> | 306 mg/m <sup>3</sup> | 85 mg/m <sup>3</sup>  | Not relevant          |

**DNEL (General population):**

| Identification  |            | Short exposure           |                          | Long exposure          |                        |
|---|------------|--------------------------|--------------------------|------------------------|------------------------|
|   |            | Systemic                 | Local                    | Systemic               | Local                  |
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)<br>CAS: 64742-82-1<br>EC: 919-446-0 | Oral       | Not relevant             | Not relevant             | 21 mg/kg               | Not relevant           |
|   | Dermal     | Not relevant             | Not relevant             | 12 mg/kg               | Not relevant           |
|   | Inhalation | 570 mg/m <sup>3</sup>    | Not relevant             | 71 mg/m <sup>3</sup>   | Not relevant           |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | Oral       | Not relevant             | Not relevant             | 12.5 mg/kg             | Not relevant           |
|   | Dermal     | Not relevant             | Not relevant             | 125 mg/kg              | Not relevant           |
|   | Inhalation | 260 mg/m <sup>3</sup>    | 260 mg/m <sup>3</sup>    | 65.3 mg/m <sup>3</sup> | 65.3 mg/m <sup>3</sup> |
| 2-ethylhexyl acrylate<br>CAS: 103-11-7<br>EC: 203-080-7   | Oral       | Not relevant             | Not relevant             | 0.23 mg/kg             | Not relevant           |
|   | Dermal     | Not relevant             | Not relevant             | 2.34 mg/kg             | Not relevant           |
|   | Inhalation | Not relevant             | Not relevant             | Not relevant           | 4.5 mg/m <sup>3</sup>  |
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5   | Oral       | Not relevant             | Not relevant             | 2.1 mg/kg              | Not relevant           |
|   | Dermal     | Not relevant             | Not relevant             | 343 mg/kg              | Not relevant           |
|   | Inhalation | 174.25 mg/m <sup>3</sup> | 182.75 mg/m <sup>3</sup> | 10.2 mg/m <sup>3</sup> | Not relevant           |

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

**PNEC:**

| Identification  |              |              |                         |               |
|---|--------------|--------------|-------------------------|---------------|
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7               | STP          | 6.58 mg/L    | Fresh water             | 0.327 mg/L    |
|   | Soil         | 2.31 mg/kg   | Marine water            | 0.327 mg/L    |
|   | Intermittent | 0.327 mg/L   | Sediment (Fresh water)  | 12.46 mg/kg   |
|   | Oral         | Not relevant | Sediment (Marine water) | 12.46 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         | Not relevant | Sediment (Marine water) | 0.0108 mg/kg  |
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5               | STP          | 5 mg/L       | Fresh water             | 0.028 mg/L    |
|   | Soil         | 0.2 mg/kg    | Marine water            | 0.014 mg/L    |
|   | Intermittent | 0.04 mg/L    | Sediment (Fresh water)  | 0.614 mg/kg   |
|   | Oral         | Not relevant | Sediment (Marine water) | 0.307 mg/kg   |

**8.2 Exposure controls:**

**A.- Individual protection measures, such as personal protective equipment**

In accordance with the order of importance to control professional exposure it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the occupational exposure limits. In case of using personal protective equipment it should have <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional 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**

| Pictogram   | PPE                               | Remarks  |
|---|-----------------------------------|--|
| <br>Mandatory respiratory tract protection | Filter mask for gases and vapours | 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**

| Pictogram  | PPE   | Remarks  |
|--|---|--|
| <br>Mandatory hand protection | Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm) | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

**D.- Eye and face protection**

| Pictogram  | PPE   | Remarks   |
|--|---|---|
| <br>Mandatory face protection | Panoramic glasses against splash/projections. | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

**E.- Body protection**

| Pictogram   | PPE  | Remarks                            |
|---|--|------------------------------------|
| <br>Mandatory complete body protection | Antistatic and fireproof protective clothing | Limited protection against flames. |

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

| Pictogram  | PPE   | Remarks                                     |
|--|---|---|
| <br>Mandatory foot protection | Safety footwear with antistatic and heat resistant properties | Replace boots at any sign of deterioration. |

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

| 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:**

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

**The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:**

|                          |                |
|--------------------------|----------------|
| V.O.C. (Supply):         | 38.15 % weight |
| V.O.C. density at 20 °C: | Not relevant   |

**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:              | Paste          |
| Colour:                  | Black, Grey    |
| Odour:                   | Solvent        |
| Odour threshold:         | Not relevant * |

**Volatility:**

|  |                |
|--|----------------|
| Boiling point at atmospheric pressure: | Not relevant * |
| Vapour pressure at 20 °C:              | Not relevant * |
| Vapour pressure at 50 °C:              | Not relevant * |
| Evaporation rate at 20 °C:             | Not relevant * |

**Product description:**

|  |                          |
|--|--------------------------|
| Density at 20 °C:                            | Not relevant *           |
| Relative density at 20 °C:                   | 1.1                      |
| Dynamic viscosity at 20 °C:                  | Not relevant *           |
| Kinematic viscosity at 20 °C:                | Not relevant *           |
| Kinematic viscosity at 40 °C:                | >20.5 mm <sup>2</sup> /s |
| Concentration:                               | Not relevant *           |
| pH:  | Not relevant *           |
| Vapour density at 20 °C:                     | Not relevant *           |
| Partition coefficient n-octanol/water 20 °C: | Not relevant *           |
| Solubility in water at 20 °C:                | Not relevant *           |
| Solubility properties:                       | Not relevant *           |

\*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)**

|                                  |                |
|----------------------------------|----------------|
| Decomposition temperature:       | Not relevant * |
| Melting point/freezing point:    | Not relevant * |
| <b>Flammability:</b>             |                |
| Flash Point:                     | 39 °C          |
| Flammability (solid, gas):       | Not relevant * |
| Autoignition temperature:        | Not relevant * |
| Lower flammability limit:        | Not relevant * |
| Upper flammability limit:        | Not relevant * |
| <b>Particle characteristics:</b> |                |
| Median equivalent diameter:      | Not relevant * |

**9.2 Other information:**

**Information with regard to physical hazard classes:**

|  |                |
|--|----------------|
| Explosive properties:  | Not relevant * |
| Oxidising properties:  | Not relevant * |
| Corrosive to metals:   | Not relevant * |
| Heat of combustion:  | Not relevant * |
| Aerosols-total percentage (by mass) of flammable components: | Not relevant * |

**Other safety characteristics:**

|                           |                |
|---------------------------|----------------|
| Surface tension at 20 °C: | Not relevant * |
| Refraction index:         | Not relevant * |

\*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 from Safety Data Sheet.

**10.2 Chemical stability:**

Chemically stable under the indicated 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.

**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   | Risk of combustion      | Avoid direct impact | Not applicable |

**10.5 Incompatible materials:**

| Acids              | Water          | Oxidising materials | Combustible materials | Others                        |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | 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

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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

**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, as it does not contain substances classified as hazardous 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 : Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous 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: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

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 hazardous for the effects mentioned. For more information see section 3.  
IARC: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (3); 2-ethylhexyl acrylate (2B); styrene (2A); Xylene (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous 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 hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

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

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

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

- Specific target organ toxicity (STOT)-repeated exposure: Serious health effects in the case of prolonged inhalation, including death, serious functional disorders or morphological changes of toxicological importance.
- Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

H- Aspiration hazard:

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

**Other information:**

Not relevant

**Specific toxicology information on the substances:**

| Identification  | Acute toxicity         |             | Genus |
|---|------------------------|-------------|-------|
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)<br>CAS: 64742-82-1<br>EC: 919-446-0 | LD50 oral              | >2000 mg/kg |       |
|   | LD50 dermal            | >2000 mg/kg |       |
|   | LC50 inhalation vapour | >20 mg/L    |       |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | LD50 oral              | 3523 mg/kg  | Rat   |
|   | LD50 dermal            | 1100 mg/kg  |       |
|   | LC50 inhalation vapour | 17 mg/L     | Rat   |

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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

| Identification  | Acute toxicity         |             | Genus  |
|---|------------------------|-------------|--------|
| 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 vapour | >20 mg/L    |        |
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5               | LD50 oral              | >2000 mg/kg |        |
|   | LD50 dermal            | >2000 mg/kg |        |
|   | LC50 inhalation vapour | 11.8 mg/L   | Rat    |

**SECTION 12: ECOLOGICAL INFORMATION**

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

Toxic to aquatic life with long lasting effects.

**12.1 Toxicity:**

**Acute toxicity:**

| Identification   | Concentration |                     | Species                         | Genus      |
|--|---------------|---------------------|---------------------------------|------------|
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)<br>CAS: 64742-82-1 | LC50          | >1 - 10 mg/L (96 h) |                                 | Fish       |
|  | EC50          | >1 - 10 mg/L (48 h) |                                 | Crustacean |
|  | EC50          | >1 - 10 mg/L (72 h) |                                 | Algae      |
| styrene<br>CAS: 100-42-5   | LC50          | 4.02 mg/L (96 h)    | Pimephales promelas             | Fish       |
|  | EC50          | 4.7 mg/L (48 h)     | Daphnia magna                   | Crustacean |
|  | EC50          | 4.9 mg/L (72 h)     | Pseudokirchneriella subcapitata | Algae      |

**Chronic toxicity:**

| Identification           | Concentration |              | Species             | Genus      |
|--------------------------|---------------|--------------|---------------------|------------|
| Xylene<br>CAS: 1330-20-7 | NOEC          | 1.3 mg/L     | Oncorhynchus mykiss | Fish       |
|                          | NOEC          | 1.17 mg/L    | Ceriodaphnia dubia  | Crustacean |
| styrene<br>CAS: 100-42-5 | NOEC          | Not relevant |                     |            |
|                          | NOEC          | 1.01 mg/L    | Daphnia magna       | Crustacean |

**12.2 Persistence and degradability:**

**Substance-specific information:**

| Identification                            | Degradability |              | Biodegradability |              |
|---|---------------|--------------|------------------|--------------|
|   |               |              | Concentration    | Not relevant |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7 | BOD5          | Not relevant | Period           | 28 days      |
|   | COD           | Not relevant | % Biodegradable  | 88 %         |
|   | BOD5/COD      | Not relevant | Concentration    | 91 mg/L      |
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5 | BOD5          | Not relevant | Period           | 28 days      |
|   | COD           | Not relevant | % Biodegradable  | 70.9 %       |
|   | BOD5/COD      | Not relevant |                  |              |

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

| Identification                            | Bioaccumulation potential |          |
|---|---------------------------|----------|
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7 | BCF                       | 9        |
|   | Pow Log                   | 2.77     |
|   | Potential                 | Low      |
| styrene<br>CAS: 100-42-5<br>EC: 202-851-5 | BCF                       | 74       |
|   | Pow Log                   | 2.96     |
|   | Potential                 | Moderate |

**12.4 Mobility in soil:**

| Identification           | Absorption/desorption |              | Volatility |                               |
|--------------------------|-----------------------|--------------|------------|-------------------------------|
| Xylene<br>CAS: 1330-20-7 | Koc                   | 202          | Henry      | 524.86 Pa·m <sup>3</sup> /mol |
|                          | Conclusion            | Moderate     | Dry soil   | Yes                           |
|                          | Surface tension       | Not relevant | Moist soil | Yes                           |

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## SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification                         | Absorption/desorption |                     | Volatility |                            |
|--|-----------------------|---------------------|------------|----------------------------|
|  | Koc                   | Not relevant        | Henry      | Not relevant               |
| 2-ethylhexyl acrylate<br>CAS: 103-11-7 | Conclusion            | Not relevant        | Dry soil   | Not relevant               |
|  | Surface tension       | 2.58E-2 N/m (25 °C) | Moist soil | Not relevant               |
|  | Koc                   | 352                 | Henry      | 232 Pa·m <sup>3</sup> /mol |
| styrene<br>CAS: 100-42-5               | Conclusion            | Moderate            | Dry soil   | Yes                        |
|  | Surface tension       | 3.21E-2 N/m (25 °C) | Moist soil | Yes                        |

### 12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

### 12.6 Other adverse effects:

Not described

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

| Code      | Description  | Waste class |
|-----------|--|-------------|
| 08 04 09* | waste adhesives and sealants containing organic solvents or other hazardous substances | Hazardous   |

#### Type of waste:

HP14 Ecotoxic, HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

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

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 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-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

#### Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

## SECTION 14: TRANSPORT INFORMATION

### Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:



- 14.1 UN number:** UN1866  
**14.2 UN proper shipping name:** RESIN SOLUTION  
**14.3 Transport hazard class(es):** 3  
 Labels: 3  
**14.4 Packing group:** I  
**14.5 Environmental hazards:** Yes  
**14.6 Special precautions for user**  
 Tunnel restriction code: D/E  
 Physico-Chemical properties: see section 9  
 Limited quantities: 500 mL  
**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Not relevant

### Transport of dangerous goods by sea:

With regard to IMDG 41-22:

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**SECTION 14: TRANSPORT INFORMATION (continued)**



- 14.1 UN number:** UN1866  
**14.2 UN proper shipping name:** RESIN SOLUTION  
**14.3 Transport hazard class(es):** 3  
 Labels: 3  
**14.4 Packing group:** I  
**14.5 Marine pollutant:** Yes  
**14.6 Special precautions for user**  
 Special regulations: Not relevant  
 EmS Codes: F-E, S-E  
 Physico-Chemical properties: see section 9  
 Limited quantities: 500 mL  
 Segregation group: Not relevant  
**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Not relevant

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2025:



- 14.1 UN number:** UN1866  
**14.2 UN proper shipping name:** RESIN SOLUTION  
**14.3 Transport hazard class(es):** 3  
 Labels: 3  
**14.4 Packing group:** I  
**14.5 Environmental hazards:** Yes  
**14.6 Special precautions for user**  
 Physico-Chemical properties: see section 9  
**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Not relevant

**SECTION 15: REGULATORY INFORMATION**

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

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

**The Control of Major Accident Hazards Regulations 2015:**

| Section | Description           | Lower-tier requirements | Upper-tier requirements |
|---------|-----------------------|-------------------------|-------------------------|
| P5c     | FLAMMABLE LIQUIDS     | 5000                    | 50000                   |
| E2      | ENVIRONMENTAL HAZARDS | 200                     | 500                     |

**Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK 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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.
- The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.
- Control of Substances Hazardous to Health Regulations 2002 (as amended)
- EH40/2005 Workplace exposure limits.

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## SECTION 16: OTHER INFORMATION

### Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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

H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

H372: Causes damage to organs through prolonged or repeated exposure (Inhalation).

H312+H332: Harmful in contact with skin or if inhaled.

### 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

### GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.

Acute Tox. 4: H332 - Harmful if inhaled.

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Repr. 2: H361d - Suspected of damaging the unborn child.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.

STOT SE 3: H335 - May cause respiratory irritation.

STOT SE 3: H336 - May cause drowsiness or dizziness.

### Classification procedure:

Flam. Liq. 3: Calculation method (2.6.4.3)

Skin Irrit. 2: Calculation method

STOT SE 3: Calculation method

Aquatic Chronic 2: Calculation method

STOT RE 1: Calculation method

Acute Tox. 4: Calculation method

### Advice related to training:

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

IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, 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 -