



**14041-H - Rocapox Resin 100-TX - Hardener**
**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** 14041-H - Rocapox Resin 100-TX - Hardener
- Other means of identification:**  
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
 Relevant uses: Hardener for Resin. 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:**  
 Prokol Protective Coatings  
 Duizeltonksestraat 44  
 5705 CA Helmond - Noord-Brabant - Nederland  
 Phone: +31 (0) 85 78 200 20  
 sds@prokol.nl  
 www.prokol.com
- 1.4 Emergency telephone number:** +31 (0) 85 78 200 20 Mon - Fri 8am - 4.45pm

**SECTION 2: HAZARDS IDENTIFICATION**

- 2.1 Classification of the substance or mixture:**  
**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 Dam. 1: Serious eye damage, Category 1, H318  
 Skin Corr. 1B: Skin corrosion, Category 1B, H314  
 Skin Sens. 1B: Sensitisation, skin, Category 1B, H317
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Danger**
- 

- Hazard statements:**  
 Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.  
 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  
 Skin Sens. 1B: H317 - May cause an allergic skin reaction.
- Precautionary statements:**  
 P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.  
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P302+P352: IF ON SKIN: Wash with plenty of water.  
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310: Immediately call a POISON CENTER/doctor.  
 P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.
- Supplementary information:**  
 EUH071: Corrosive to the respiratory tract.
- Substances that contribute to the classification**  
 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine; m-phenylenebis(methylamine); 3-aminopropyltriethoxysilane; Salicylic acid
- UFI:** P830-00SY-F00R-UG8P

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### SECTION 2: HAZARDS IDENTIFICATION (continued)

#### 2.3 Other hazards:

Product does not meet PBT/vPvB criteria  
Endocrine-disrupting properties: The product does not meet the criteria.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substance:

Non-applicable

#### 3.2 Mixture:

**Chemical description:** Formulated polyamines

#### Components:

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

| Identification   | Chemical name/Classification   | Concentration |
|--|--|---------------|
| CAS: 38294-64-3<br>EC: 500-101-4<br>Index: Non-applicable<br>REACH:01-2119965165-33-XXXX | <b>4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine<sup>(1)</sup></b> Self-classified<br>Regulation 1272/2008 Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger | 25 - <50 %    |
| CAS: 100-51-6<br>EC: 202-859-9<br>Index: 603-057-00-5<br>REACH:01-2119492630-38-XXXX     | <b>benzyl alcohol<sup>(1)</sup></b> Self-classified<br>Regulation 1272/2008 Acute Tox. 4: H302; Eye Irrit. 2: H319 - Warning   | 25 - <50 %    |
| CAS: 1477-55-0<br>EC: 216-032-5<br>Index: Non-applicable<br>REACH:01-2119480150-50-XXXX  | <b>m-phenylenebis(methylamine)<sup>(1)</sup></b> Self-classified<br>Regulation 1272/2008 Acute Tox. 4: H302+H332; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Corr. 1B: H314; Skin Sens. 1B: H317; EUH071 - Danger   | 5 - <10 %     |
| CAS: 919-30-2<br>EC: 213-048-4<br>Index: 612-108-00-0<br>REACH:01-2119480479-24-XXXX     | <b>3-aminopropyltriethoxysilane<sup>(1)</sup></b> Self-classified<br>Regulation 1272/2008 Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger   | 2.5 - <5 %    |
| CAS: 69-72-7<br>EC: 200-712-3<br>Index: 607-732-00-5<br>REACH:01-2119486984-17-XXXX      | <b>Salicylic acid<sup>(1)</sup></b> ATP ATP13<br>Regulation 1272/2008 Acute Tox. 4: H302; Eye Dam. 1: H318; Repr. 2: H361d - Danger  | 2.5 - <5 %    |

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

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:

| Identification   | Acute toxicity   | Genus         |
|--|--|---------------|
| benzyl alcohol<br>CAS: 100-51-6<br>EC: 202-859-9               | LD50 oral 1620 mg/kg<br>LD50 dermal 2001 mg/kg<br>LC50 inhalation Not relevant     | Rat<br>Rabbit |
| m-phenylenebis(methylamine)<br>CAS: 1477-55-0<br>EC: 216-032-5 | LD50 oral 1180 mg/kg<br>LD50 dermal Not relevant<br>LC50 inhalation 11 mg/L (ATEi) | Mouse         |
| Salicylic acid<br>CAS: 69-72-7<br>EC: 200-712-3                | LD50 oral 891 mg/kg<br>LD50 dermal Not relevant<br>LC50 inhalation Not relevant    | Rat           |
| 3-aminopropyltriethoxysilane<br>CAS: 919-30-2<br>EC: 213-048-4 | LD50 oral 1491 mg/kg<br>LD50 dermal Not relevant<br>LC50 inhalation Not relevant   | Rat           |

### SECTION 4: FIRST AID MEASURES

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**14041-H - Rocapox Resin 100-TX - Hardener****SECTION 4: FIRST AID MEASURES (continued)****4.1 Description of first aid measures:**

Request medical assistance immediately, 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:**

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 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:**

Request immediate medical assistance, showing the SDS of this product. Do not induce vomiting, because its expulsion from the stomach can be hazardous to the mucus of the main digestive tract, and also risk damage to the respiratory system through inhalation. Rinse out the mouth and throat, as they may have been affected during ingestion. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Keep the person affected at rest.

**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:**

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:****For non-emergency personnel:**

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### SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

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 spilled product (See section 8). Evacuate the area and keep out those who do not have protection.

#### 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:

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

#### 7.1 Precautions for safe handling:

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

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

##### 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 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

Minimum Temp.: 5 °C  
Maximum Temp.: 30 °C  
Maximum time: 12 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 assessed in the workplace:

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

#### DNEL (Workers):

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

| Identification  |            | Short exposure        |              | Long exposure           |                       |
|---|------------|-----------------------|--------------|-------------------------|-----------------------|
|   |            | Systemic              | Local        | Systemic                | Local                 |
| 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine<br>CAS: 38294-64-3<br>EC: 500-101-4 | Oral       | Not relevant          | Not relevant | Not relevant            | Not relevant          |
|   | Dermal     | Not relevant          | Not relevant | 0.14 mg/kg              | Not relevant          |
|   | Inhalation | Not relevant          | Not relevant | 0.493 mg/m <sup>3</sup> | Not relevant          |
| benzyl alcohol<br>CAS: 100-51-6<br>EC: 202-859-9  | Oral       | Not relevant          | Not relevant | Not relevant            | Not relevant          |
|   | Dermal     | 40 mg/kg              | Not relevant | 8 mg/kg                 | Not relevant          |
|   | Inhalation | 110 mg/m <sup>3</sup> | Not relevant | 22 mg/m <sup>3</sup>    | Not relevant          |
| m-phenylenebis(methylamine)<br>CAS: 1477-55-0<br>EC: 216-032-5  | Oral       | Not relevant          | Not relevant | Not relevant            | Not relevant          |
|   | Dermal     | Not relevant          | Not relevant | 0.33 mg/kg              | Not relevant          |
|   | Inhalation | Not relevant          | Not relevant | 1.2 mg/m <sup>3</sup>   | 0.2 mg/m <sup>3</sup> |
| 3-aminopropyltriethoxysilane<br>CAS: 919-30-2<br>EC: 213-048-4  | Oral       | Not relevant          | Not relevant | Not relevant            | Not relevant          |
|   | Dermal     | Not relevant          | Not relevant | 2 mg/kg                 | Not relevant          |
|   | Inhalation | Not relevant          | Not relevant | 14 mg/m <sup>3</sup>    | Not relevant          |
| Salicylic acid<br>CAS: 69-72-7<br>EC: 200-712-3   | Oral       | Not relevant          | Not relevant | Not relevant            | Not relevant          |
|   | Dermal     | Not relevant          | Not relevant | 2.3 mg/kg               | Not relevant          |
|   | Inhalation | Not relevant          | Not relevant | 5 mg/m <sup>3</sup>     | 5 mg/m <sup>3</sup>   |

**DNEL (General population):**

| Identification  |            | Short exposure       |              | Long exposure           |              |
|---|------------|----------------------|--------------|-------------------------|--------------|
|   |            | Systemic             | Local        | Systemic                | Local        |
| 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine<br>CAS: 38294-64-3<br>EC: 500-101-4 | Oral       | Not relevant         | Not relevant | 0.05 mg/kg              | Not relevant |
|   | Dermal     | Not relevant         | Not relevant | 0.05 mg/kg              | Not relevant |
|   | Inhalation | Not relevant         | Not relevant | 0.074 mg/m <sup>3</sup> | Not relevant |
| benzyl alcohol<br>CAS: 100-51-6<br>EC: 202-859-9  | Oral       | 20 mg/kg             | Not relevant | 4 mg/kg                 | Not relevant |
|   | Dermal     | 20 mg/kg             | Not relevant | 4 mg/kg                 | Not relevant |
|   | Inhalation | 27 mg/m <sup>3</sup> | Not relevant | 5.4 mg/m <sup>3</sup>   | Not relevant |
| 3-aminopropyltriethoxysilane<br>CAS: 919-30-2<br>EC: 213-048-4  | Oral       | Not relevant         | Not relevant | 1 mg/kg                 | Not relevant |
|   | Dermal     | Not relevant         | Not relevant | 1 mg/kg                 | Not relevant |
|   | Inhalation | Not relevant         | Not relevant | 3.5 mg/m <sup>3</sup>   | Not relevant |
| Salicylic acid<br>CAS: 69-72-7<br>EC: 200-712-3   | Oral       | 4 mg/kg              | Not relevant | 1 mg/kg                 | Not relevant |
|   | Dermal     | Not relevant         | Not relevant | 1 mg/kg                 | Not relevant |
|   | Inhalation | Not relevant         | Not relevant | 4 mg/m <sup>3</sup>     | Not relevant |

**PNEC:**

| Identification  |              |              |                         |             |
|---|--------------|--------------|-------------------------|-------------|
| 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine<br>CAS: 38294-64-3<br>EC: 500-101-4 | STP          | 10 mg/L      | Fresh water             | 0.011 mg/L  |
|   | Soil         | 864 mg/kg    | Marine water            | 0.001 mg/L  |
|   | Intermittent | 0.111 mg/L   | Sediment (Fresh water)  | 4320 mg/kg  |
|   | Oral         | 0.001 g/kg   | Sediment (Marine water) | 432 mg/kg   |
| benzyl alcohol<br>CAS: 100-51-6<br>EC: 202-859-9  | STP          | 39 mg/L      | Fresh water             | 1 mg/L      |
|   | Soil         | 0.456 mg/kg  | Marine water            | 0.1 mg/L    |
|   | Intermittent | 2.3 mg/L     | Sediment (Fresh water)  | 5.27 mg/kg  |
|   | Oral         | Not relevant | Sediment (Marine water) | 0.527 mg/kg |
| m-phenylenebis(methylamine)<br>CAS: 1477-55-0<br>EC: 216-032-5  | STP          | 10 mg/L      | Fresh water             | 0.094 mg/L  |
|   | Soil         | 2.44 mg/kg   | Marine water            | 0.009 mg/L  |
|   | Intermittent | 0.152 mg/L   | Sediment (Fresh water)  | 12.4 mg/kg  |
|   | Oral         | Not relevant | Sediment (Marine water) | 1.24 mg/kg  |

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



| Identification   |              |              |                         |              |
|--|--------------|--------------|-------------------------|--------------|
| 3-aminopropyltriethoxysilane<br>CAS: 919-30-2<br>EC: 213-048-4 | STP          | 1.3 mg/L     | Fresh water             | Not relevant |
|  | Soil         | Not relevant | Marine water            | Not relevant |
|  | Intermittent | Not relevant | Sediment (Fresh water)  | Not relevant |
|  | Oral         | Not relevant | Sediment (Marine water) | Not relevant |
| Salicylic acid<br>CAS: 69-72-7<br>EC: 200-712-3                | STP          | 162 mg/L     | Fresh water             | 0.2 mg/L     |
|  | Soil         | 0.166 mg/kg  | Marine water            | 0.02 mg/L    |
|  | Intermittent | 1 mg/L       | Sediment (Fresh water)  | 1.42 mg/kg   |
|  | Oral         | Not relevant | Sediment (Marine water) | 0.142 mg/kg  |

#### 8.2 Exposure controls:

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

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



| Pictogram  | PPE                               | Labelling   | CEN Standard        | Remarks  |
|--|-----------------------------------|---|---------------------|--|
| <br>Mandatory respiratory tract protection | Filter mask for gases and vapours | <br>CAT III | 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





| Pictogram  | PPE   | Labelling  | CEN Standard      | Remarks  |
|--|---|--|-------------------|--|
| <br>Mandatory hand protection | Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm) | <br>CAT III | EN ISO 21420:2020 | 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         | Labelling   | CEN Standard  | Remarks   |
|--|-------------|---|---|---|
| <br>Mandatory face protection | Face shield | <br>CAT II | EN 166:2002<br>UNE-EN ISO 18526-1 al 4:2020<br>UNE-EN ISO 18526-1 al 4:2020<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   |
|---|---|--|---|---|
| <br>Mandatory complete body protection | Disposable clothing for protection against chemical risks | <br>CAT III | EN 13034:2005+A1:2009<br>UNE-EN ISO 18526-1 al 4:2020<br>EN ISO 13982-1:2005/A1:2011<br>EN ISO 6529:2013<br>EN ISO 6530:2005<br>EN 464:1995 | For professional use only. Clean periodically according to the manufacturer's instructions. |
| <br>Mandatory foot protection          | Safety footwear for protection against chemical risk      | <br>CAT III | EN ISO 20345:2022<br>EN 13832-1:2019  | Replace boots at any sign of deterioration.   |

##### F.- Additional emergency measures

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

| 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):          | 0 % weight                  |
| V.O.C. density at 20 °C:  | 0 kg/m <sup>3</sup> (0 g/L) |
| Average carbon number:    | Not relevant                |
| Average molecular weight: | 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:              | Characteristic   |
| Colour:                  |  Yellow |
| Odour:                   | Characteristic   |
| Odour threshold:         | Not relevant *   |

##### Volatility:

|  |                     |
|--|---------------------|
| Boiling point at atmospheric pressure: | 215 °C              |
| Vapour pressure at 20 °C:              | 6 Pa                |
| Vapour pressure at 50 °C:              | 73.19 Pa (0.07 kPa) |
| Evaporation rate at 20 °C:             | Not relevant *      |

##### Product description:

|  |                          |
|--|--------------------------|
| Density at 20 °C:                            | 1034.6 kg/m <sup>3</sup> |
| Relative density at 20 °C:                   | 1.035                    |
| Dynamic viscosity at 20 °C:                  | 5.48 cP                  |
| Kinematic viscosity at 20 °C:                | 5.3 mm <sup>2</sup> /s   |
| Kinematic viscosity at 40 °C:                | Not relevant *           |
| 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 *           |
| Decomposition temperature:                   | Not relevant *           |
| Melting point/freezing point:                | Not relevant *           |

##### Flammability:

|              |        |
|--------------|--------|
| Flash Point: | 102 °C |
|--------------|--------|

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

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## 14041-H - Rocapox Resin 100-TX - Hardener

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

|                                  |                |
|----------------------------------|----------------|
| Flammability (solid, gas):       | Not relevant * |
| Autoignition temperature:        | 300 °C         |
| Lower flammability limit:        | Not relevant * |
| Upper flammability limit:        | Not relevant * |
| <b>Particle characteristics:</b> |                |
| Median equivalent diameter:      | Non-applicable |

#### 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   | Not applicable          | Not applicable | Not applicable |

#### 10.5 Incompatible materials:

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

#### 10.6 Hazardous decomposition products:

Contains substances which require external energy for spontaneous decomposition. Form explosive peroxides when distilled, evaporated or otherwise concentrated.

### SECTION 11: TOXICOLOGICAL INFORMATION

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

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):

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## 14041-H - Rocapox Resin 100-TX - Hardener

### SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- 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: Corrosive product, if it is swallowed causes burns destroying the tissues. For more information about secondary effects from skin contact see section 2.

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

- Acute toxicity : 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.
- Corrosivity/Irritability: Corrosive to the respiratory tract

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

- Contact with the skin: Above all, skin contact may occur as fabrics of all thicknesses can be destroyed, resulting in burns. For more information on the secondary effects see section 2.
- Contact with the eyes: Produces serious 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 hazardous for the effects mentioned. For more information see section 3.  
IARC: Not relevant
- 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: 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, as it does not contain substances classified as hazardous for this effect. 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 hazardous 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 hazardous for this effect. For more information see section 3.

#### H- Aspiration hazard:

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.

#### Other information:

Not relevant

#### Specific toxicology information on the substances:

| Identification  | Acute toxicity  |                  | Genus  |
|---|-----------------|------------------|--------|
| 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine<br>CAS: 38294-64-3<br>EC: 500-101-4 | LD50 oral       | >2000 mg/kg      |        |
|   | LD50 dermal     | >2000 mg/kg      |        |
|   | LC50 inhalation | >20 mg/L         |        |
| benzyl alcohol<br>CAS: 100-51-6<br>EC: 202-859-9  | LD50 oral       | 1620 mg/kg       | Rat    |
|   | LD50 dermal     | 2001 mg/kg       | Rabbit |
|   | LC50 inhalation | >20 mg/L         |        |
| m-phenylenebis(methylamine)<br>CAS: 1477-55-0<br>EC: 216-032-5  | LD50 oral       | 1180 mg/kg       | Mouse  |
|   | LD50 dermal     | >3100 mg/kg      | Rat    |
|   | LC50 inhalation | 11 mg/L (ATEi)   |        |
| Salicylic acid<br>CAS: 69-72-7<br>EC: 200-712-3   | LD50 oral       | 891 mg/kg (ATEi) | Rat    |
|   | LD50 dermal     | >2000 mg/kg      |        |
|   | LC50 inhalation | >5 mg/L          |        |

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## 14041-H - Rocapox Resin 100-TX - Hardener

### SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification               | Acute toxicity  |                   | Genus  |
|------------------------------|-----------------|-------------------|--------|
| 3-aminopropyltriethoxysilane | LD50 oral       | 1491 mg/kg (ATEi) | Rat    |
| CAS: 919-30-2                | LD50 dermal     | 4000 mg/kg        | Rabbit |
| EC: 213-048-4                | LC50 inhalation | >20 mg/L          |        |

#### 11.2 Information on other hazards:

##### Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

##### Other information

Not relevant

### SECTION 12: ECOLOGICAL INFORMATION

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

Harmful to aquatic life with long lasting effects.

#### 12.1 Toxicity:

##### Acute toxicity:

| Identification  | Concentration |                       | Species                   | Genus      |
|---|---------------|-----------------------|---------------------------|------------|
| 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine<br>CAS: 38294-64-3<br>EC: 500-101-4 | LC50          | >10 - 100 mg/L (96 h) |                           | Fish       |
|   | EC50          | >10 - 100 mg/L (48 h) |                           | Crustacean |
|   | EC50          | >10 - 100 mg/L (72 h) |                           | Algae      |
| m-phenylenebis(methylamine)<br>CAS: 1477-55-0<br>EC: 216-032-5  | LC50          | 88 mg/L (96 h)        | Oryzias latipes           | Fish       |
|   | EC50          | 15 mg/L (48 h)        | Daphnia magna             | Crustacean |
|   | EC50          | 20 mg/L (72 h)        | Selenastrum capricornutum | Algae      |

##### Chronic toxicity:

| Identification  | Concentration |              | Species       | Genus      |
|---|---------------|--------------|---------------|------------|
| benzyl alcohol<br>CAS: 100-51-6 EC: 202-859-9               | NOEC          | 48.897 mg/L  | N/A           | Fish       |
|   | NOEC          | 51 mg/L      | Daphnia magna | Crustacean |
| m-phenylenebis(methylamine)<br>CAS: 1477-55-0 EC: 216-032-5 | NOEC          | Not relevant |               |            |
|   | NOEC          | 4.7 mg/L     | Daphnia magna | Crustacean |

#### 12.2 Persistence and degradability:

##### Substance-specific information:

| Identification   | Degradability |              | Biodegradability |              |
|--|---------------|--------------|------------------|--------------|
| benzyl alcohol<br>CAS: 100-51-6<br>EC: 202-859-9               | BOD5          | Not relevant | Concentration    | 100 mg/L     |
|  | COD           | Not relevant | Period           | 14 days      |
|  | BOD5/COD      | Not relevant | % Biodegradable  | 94 %         |
| m-phenylenebis(methylamine)<br>CAS: 1477-55-0<br>EC: 216-032-5 | BOD5          | Not relevant | Concentration    | 14 mg/L      |
|  | COD           | Not relevant | Period           | 28 days      |
|  | BOD5/COD      | Not relevant | % Biodegradable  | 49 %         |
| 3-aminopropyltriethoxysilane<br>CAS: 919-30-2<br>EC: 213-048-4 | BOD5          | Not relevant | Concentration    | Not relevant |
|  | COD           | Not relevant | Period           | 28 days      |
|  | BOD5/COD      | Not relevant | % Biodegradable  | 67 %         |

#### 12.3 Bioaccumulative potential:

##### Substance-specific information:

| Identification                                   | Bioaccumulation potential |     |
|--|---------------------------|-----|
| benzyl alcohol<br>CAS: 100-51-6<br>EC: 202-859-9 | BCF                       | 0.3 |
|  | Pow Log                   | 1.1 |
|  | Potential                 | Low |

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## 14041-H - Rocapox Resin 100-TX - Hardener

### SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification              | Bioaccumulation potential |      |
|-----------------------------|---------------------------|------|
| m-phenylenebis(methylamine) | BCF                       | 3    |
| CAS: 1477-55-0              | Pow Log                   | 0.18 |
| EC: 216-032-5               | Potential                 | Low  |

#### 12.4 Mobility in soil:

| Identification              | Absorption/desorption |                          | Volatility |              |
|-----------------------------|-----------------------|--------------------------|------------|--------------|
| benzyl alcohol              | Koc                   | Not relevant             | Henry      | Not relevant |
| CAS: 100-51-6               | Conclusion            | Not relevant             | Dry soil   | Not relevant |
| EC: 202-859-9               | Surface tension       | 3.679E-2 N/m (25 °C)     | Moist soil | Not relevant |
| m-phenylenebis(methylamine) | Koc                   | 1300                     | Henry      | Not relevant |
| CAS: 1477-55-0              | Conclusion            | Low                      | Dry soil   | Not relevant |
| EC: 216-032-5               | Surface tension       | Not relevant             | Moist soil | Not relevant |
| Salicylic acid              | Koc                   | Not relevant             | Henry      | Not relevant |
| CAS: 69-72-7                | Conclusion            | Not relevant             | Dry soil   | Not relevant |
| EC: 200-712-3               | Surface tension       | 2.444E-2 N/m (207.25 °C) | Moist soil | Not relevant |

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

Product does not meet PBT/vPvB criteria

#### 12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

#### 12.7 Other adverse effects:

Not described

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods:

| Code      | Description   | Waste class (Regulation (EU) No 1357/2014) |
|-----------|---|--|
| 20 01 27* | paint, inks, adhesives and resins containing hazardous substances | Hazardous                                  |

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

HP14 Ecotoxic, HP6 Acute Toxicity, HP13 Sensitising, HP8 Corrosive

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

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC, The Waste Regulations 2011, 2011 No. 988). As under 15 01 (2014/955/EU) 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 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

#### Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:

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**14041-H - Rocapox Resin 100-TX - Hardener**
**SECTION 14: TRANSPORT INFORMATION (continued)**

**14.1 UN number or ID number:** UN2735

**14.2 UN proper shipping name:** POLYAMINES, LIQUID, CORROSIVE, N.O.S. (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine)

**14.3 Transport hazard class (es):** 8

Labels: 8

**14.4 Packing group:** III

**14.5 Environmental hazards:** No

**14.6 Special precautions for user**

Special regulations: 274

Tunnel restriction code: E

Physico-Chemical properties: see section 9

Limited quantities: 5 L

**14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

**Transport of dangerous goods by sea:**

With regard to IMDG 41-22:


**14.1 UN number or ID number:** UN2735

**14.2 UN proper shipping name:** POLYAMINES, LIQUID, CORROSIVE, N.O.S. (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine)

**14.3 Transport hazard class (es):** 8

Labels: 8

**14.4 Packing group:** III

**14.5 Marine pollutant:** No

**14.6 Special precautions for user**

Special regulations: 223, 274

EmS Codes: F-A, S-B

Physico-Chemical properties: see section 9

Limited quantities: 5 L

Segregation group: SGG18

**14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2024:


**14.1 UN number or ID number:** UN2735

**14.2 UN proper shipping name:** POLYAMINES, LIQUID, CORROSIVE, N.O.S. (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine)

**14.3 Transport hazard class (es):** 8

Labels: 8

**14.4 Packing group:** III

**14.5 Environmental hazards:** No

**14.6 Special precautions for user**

Physico-Chemical properties: see section 9

**14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

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**14041-H - Rocapox Resin 100-TX - Hardener**
**SECTION 15: REGULATORY INFORMATION**
**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

- Article 95, REGULATION (EU) No 528/2012: *benzyl alcohol* (100-51-6) - PT: (6) ; *Salicylic acid* (69-72-7) - PT: (2,3,4)
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

**Seveso III:**

Not relevant

**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 Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009), SI 2009 No 1348  
 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations 2011, 2011 No. 1885  
 Control of Substances Hazardous to Health Regulations 2002 (as amended)  
 EH40/2005 Workplace exposure limits  
 The Waste Regulations 2011, 2011 No. 988

**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:**

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 (COMMISSION REGULATION (EU) 2020/878)

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

Not relevant

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

H314: Causes severe skin burns and eye damage.  
 H318: Causes serious eye damage.  
 H317: May cause an allergic skin reaction.  
 H412: Harmful to aquatic life with long lasting effects.

**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.  
 Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.  
 Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.  
 Eye Dam. 1: H318 - Causes serious eye damage.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Repr. 2: H361d - Suspected to damage the foetus.  
 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  
 Skin Sens. 1: H317 - May cause an allergic skin reaction.  
 Skin Sens. 1B: H317 - May cause an allergic skin reaction.

**Classification procedure:**

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**14041-H - Rocapox Resin 100-TX - Hardener****SECTION 16: OTHER INFORMATION (continued)**

Skin Corr. 1B: Calculation method  
Eye Dam. 1: Calculation method  
Skin Sens. 1B: Calculation method  
Aquatic Chronic 3: 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 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 -