

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

#### 1.1. Product identifier

|                 |                       |
|-----------------|-----------------------|
| Product form    | : Mixture             |
| Name            | : AMPRO Resin         |
| UFI             | : UHT6-9RCR-K00P-WF6K |
| Product code    | : 19651               |
| Type of product | : Epoxy resin         |
| Product group   | : Resin               |

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

##### 1.2.1. Relevant identified uses

|                             |  |
|-----------------------------|--|
| Intended for general public |  |
| Main use category           | : Consumer use, Industrial use, Professional use |

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

Gurit (UK) Ltd  
St Cross Business Park Newport  
GBR- PO30 5WU Isle of Wight  
United Kingdom  
T +44 (0) 1983 828 000 (All Technical and Commercial Enquiries)  
[Regulatory@Gurit.com](mailto:Regulatory@Gurit.com) - [www.gurit.com](http://www.gurit.com)

##### Other

Gurit (Spain) Ltd  
Polígono Industrial Romica C/K Parcela 11C, APDO.447  
ESP- 02080 Albacete  
Spain  
T +34 967 254 507 - F +34 967 254 005  
[Regulatory@gurit.com](mailto:Regulatory@gurit.com) - [www.Gurit.com](http://www.Gurit.com)

#### 1.4. Emergency telephone number

|                  |  |
|------------------|--|
| Emergency number | : Carechem 24Hrs: +44 (0) 1273 289451<br>Telephone number for use in case of chemical exposure, spillage or fire only. |
|------------------|--|

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|   |      |
|---|------|
| Skin corrosion/irritation, Category 2                             | H315 |
| Serious eye damage/eye irritation, Category 2                     | H319 |
| Skin sensitisation, Category 1                                    | H317 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 2 | H411 |
| Full text of H- and EUH-statements: see section 16                |      |

##### Adverse physicochemical, human health and environmental effects

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

GHS09

Signal word (CLP)

: Warning

Contains

: reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700), Formaldehyde, polymer with (chloromethyl)oxirane and phenol

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                |  |
|--------------------------------|--|
| Hazard statements (CLP)        | : H315 - Causes skin irritation.<br>H317 - May cause an allergic skin reaction.<br>H319 - Causes serious eye irritation.<br>H411 - Toxic to aquatic life with long lasting effects.  |
| Precautionary statements (CLP) | : P102 - Keep out of reach of children.<br>P261 - Avoid breathing vapours.<br>P264 - Wash hands thoroughly after handling.<br>P272 - Contaminated work clothing should not be allowed out of the workplace.<br>P273 - Avoid release to the environment.<br>P280 - Wear eye protection, protective clothing, protective gloves. |

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier  | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|---|-----------|---|
| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq 700$ ) | CAS-No.: 1675-54-3<br>EC-No.: 216-823-5<br>EC Index-No.: 603-074-00-8<br>REACH-no: 01-2119456619-26 | $\geq 50$ | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411  |
| Formaldehyde, polymer with (chloromethyl)oxirane and phenol   | CAS-No.: 9003-36-5<br>EC-No.: 500-006-8<br>REACH-no: 01-2119454392-40                               | 10 – 25   | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Acute Not classified<br>Aquatic Chronic 2, H411  |
| benzyl alcohol  | CAS-No.: 100-51-6<br>EC-No.: 202-859-9<br>EC Index-No.: 603-057-00-5<br>REACH-no: 01-2119492630-38  | 10 – 25   | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 3 (Inhalation:vapour), H331<br>Eye Irrit. 2, H319 |

### Specific concentration limits:

| Name  | Product identifier  | Specific concentration limits   |
|---|---|---|
| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq 700$ ) | CAS-No.: 1675-54-3<br>EC-No.: 216-823-5<br>EC Index-No.: 603-074-00-8<br>REACH-no: 01-2119456619-26 | ( $5 \leq C < 100$ ) Skin Irrit. 2, H315<br>( $5 \leq C < 100$ ) Eye Irrit. 2, H319 |

Full text of H- and EUH-statements: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.   |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.   |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : Eye irritation.                                  |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

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

|  |                                |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

#### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
| Other information              | : Collect contaminated fire fighting water separately. It must not enter drains.   |

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

|                      |   |
|----------------------|---|
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing vapours. |
|----------------------|---|

##### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Ventilate area.   |

#### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

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

|                         |   |
|-------------------------|---|
| For containment         | : Collect spillage.   |
| Methods for cleaning up | : Take up liquid spill into absorbent material.                 |
| Other information       | : Dispose of materials or solid residues at an authorized site. |

#### 6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                               |   |
|-------------------------------|---|
| Precautions for safe handling | : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing vapours.   |
| Hygiene measures              | : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |

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

|                            |   |
|----------------------------|---|
| Storage conditions         | : Store in a well-ventilated place. Keep cool.  |
| Maximum storage period     | : 2 year  |
| Storage temperature        | : ≤ 30 °C Storage at elevated temperatures may cause pressure build-up in sealed containers |
| Storage area               | : Store away from heat. Store in a well-ventilated place.                                   |
| Special rules on packaging | : Keep only in original container.  |

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

No additional information available

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

No additional information available

##### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

###### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### 8.2.2. Personal protection equipment

###### Personal protective equipment symbol(s):



###### 8.2.2.1. Eye and face protection

###### Eye protection:

Safety glasses

###### 8.2.2.2. Skin protection

###### Skin and body protection:

Wear suitable protective clothing

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| Skin and body protection |          |
|--------------------------|----------|
| Type                     | Standard |
| Tyvek® Gown/Coveralls    | EN 13034 |

### Hand protection:

Protective gloves. Time of penetration is to be checked with the glove producer

| Hand protection   |                      |                  |                |             |            |
|-------------------|----------------------|------------------|----------------|-------------|------------|
| Type              | Material             | Permeation       | Thickness (mm) | Penetration | Standard   |
| Disposable gloves | Nitrile rubber (NBR) | 0 (< 10 minutes) | 0.26mm         |             | EN ISO 374 |

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

| Respiratory protection |                   |                   |          |
|------------------------|-------------------|-------------------|----------|
| Device                 | Filter type       | Condition         | Standard |
| Disposable half mask   | Gas/vapour filter | Vapour protection | EN 405   |

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Industrial and professional. Perform risk assessment prior to use. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

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

|   |  |
|---|--|
| Physical state                                  | : Liquid   |
| Colour  | : Colourless.  |
| Appearance                                      | : Colorless liquid.                                    |
| Odour   | : characteristic.                                      |
| Odour threshold                                 | : Not available  |
| Melting point                                   | : Not applicable                                       |
| Freezing point                                  | : Not available  |
| Boiling point                                   | : Not available  |
| Flammability                                    | : Not applicable                                       |
| Explosive limits                                | : Not available  |
| Lower explosion limit                           | : Not available  |
| Upper explosion limit                           | : Not available  |
| Flash point                                     | : > 93 °C Estimated on the basis of the constituents : |
| Auto-ignition temperature                       | : Not available  |
| Decomposition temperature                       | : Not available  |
| pH  | : ≈ 6  |
| Viscosity, kinematic                            | : 456.034 mm <sup>2</sup> /s                           |
| Viscosity, dynamic                              | : 529 cP 25°C  |
| Solubility                                      | : Not available  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available  |
| Vapour pressure                                 | : Not available  |
| Vapour pressure at 50 °C                        | : Not available  |

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|                                  |                          |
|----------------------------------|--------------------------|
| Density                          | : 1.16 g/cm <sup>3</sup> |
| Relative density                 | : Not available          |
| Relative vapour density at 20 °C | : Not available          |
| Particle characteristics         | : Not applicable         |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 24.9 – 27.9 g/l Directive 2004/42/CE

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Product is not explosive.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

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

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (1675-54-3) |  |
|---|--|
| LD50 oral rat   | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)               |
| LD50 dermal rat   | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)) |
| Formaldehyde, polymer with (chloromethyl)oxirane and phenol (9003-36-5)   |  |
| LD50 oral rat   | > 10000 mg/kg  |
| LD50 dermal rat   | > 2000 mg/kg   |
| benzyl alcohol (100-51-6)   |  |
| LD50 oral   | 1580 mg/kg bodyweight Animal: mouse, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1410 - 1770                                  |
| LD50 dermal rabbit  | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Remarks on results: other:                        |

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### benzyl alcohol (100-51-6)

|                       |   |
|-----------------------|---|
| LC50 Inhalation - Rat | > 4178 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity),<br>Remarks on results: other: |
|-----------------------|---|

Skin corrosion/irritation : Causes skin irritation.  
pH: ≈ 6

### reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (1675-54-3)

|    |             |
|----|-------------|
| pH | 6.12 – 6.64 |
|----|-------------|

Serious eye damage/irritation : Causes serious eye irritation.  
pH: ≈ 6

### reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (1675-54-3)

|    |             |
|----|-------------|
| pH | 6.12 – 6.64 |
|----|-------------|

Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

### reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (1675-54-3)

|            |                      |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

### reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (1675-54-3)

|   |  |
|---|--|
| NOAEL (chronic, oral, animal/male, 2 years) | 15 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other., Remarks on results: other: |
|---|--|

|   |   |
|---|---|
| NOAEL (chronic, oral, animal/female, 2 years) | 100 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other., Remarks on results: other: |
|---|---|

Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified

### benzyl alcohol (100-51-6)

|                            |   |
|----------------------------|---|
| NOAEL (oral, rat, 90 days) | 400 mg/kg bodyweight Animal: rat, Guideline: other: |
|----------------------------|---|

Aspiration hazard : Not classified

### AMPRO Resin

|                      |                            |
|----------------------|----------------------------|
| Viscosity, kinematic | 456.034 mm <sup>2</sup> /s |
|----------------------|----------------------------|

### benzyl alcohol (100-51-6)

|                      |                          |
|----------------------|--------------------------|
| Viscosity, kinematic | 0.005 mm <sup>2</sup> /s |
|----------------------|--------------------------|

## 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

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### reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq$ 700) (1675-54-3)

|                      |   |
|----------------------|---|
| LC50 - Fish [1]      | 1.2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| LC50 - Fish [2]      | 2 mg/l  |
| EC50 72h - Algae [1] | 9.4 mg/l Test organisms (species): Scenedesmus capricornutum                            |
| EC50 72h - Algae [2] | > 11 mg/l Test organisms (species): Scenedesmus capricornutum                           |
| LOEC (chronic)       | 1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                         |
| NOEC (chronic)       | 0.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                       |

### Formaldehyde, polymer with (chloromethyl)oxirane and phenol (9003-36-5)

|                 |          |
|-----------------|----------|
| LC50 - Fish [1] | < 1 mg/l |
|-----------------|----------|

### benzyl alcohol (100-51-6)

|                      |  |
|----------------------|--|
| LC50 - Fish [1]      | 460 mg/l Test organisms (species): Pimephales promelas   |
| EC50 - Crustacea [1] | 230 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1] | 770 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2] | 500 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [1] | 76828 mg/l Test organisms (species): other:  |
| NOEC chronic fish    | 48897 mg/l Test organisms (species): other: Duration: '30 d'   |

## 12.2. Persistence and degradability

### reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq$ 700) (1675-54-3)

|                               |   |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |
|-------------------------------|---|

## 12.3. Bioaccumulative potential

### reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq$ 700) (1675-54-3)

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

### benzyl alcohol (100-51-6)

|   |     |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 1.1 |
|---|-----|

## 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Endocrine disrupting properties

No additional information available

## 12.7. Other adverse effects

No additional information available



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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|  |   |
|--|---|
| Regional legislation (waste)               | : Disposal must be done according to official regulations.  |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.               |
| Product/Packaging disposal recommendations | : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. |
| Ecology - waste materials                  | : Avoid release to the environment.   |
| European List of Waste (LoW) code          | : 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances        |

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

| ADR  | IMDG  | IATA  |
|--|---|---|
| <b>14.1. UN number or ID number</b>  |   |   |
| UN 3082  | UN 3082   | UN 3082   |
| <b>14.2. UN proper shipping name</b>   |   |   |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.   | Environmentally hazardous substance, liquid, n.o.s.   |
| <b>Transport document description</b>  |   |   |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) ; Formaldehyde, polymer with (chloromethyl)oxirane and phenol), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) ; Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) ; Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol), 9, III |
| <b>14.3. Transport hazard class(es)</b>  |   |   |
| 9  | 9   | 9   |
|   |    |   |
| <b>14.4. Packing group</b>   |   |   |
| III  | III   | III   |
| <b>14.5. Environmental hazards</b>   |   |   |
| Dangerous for the environment: Yes   | Dangerous for the environment: Yes<br>Marine pollutant: Yes   | Dangerous for the environment: Yes  |
| No supplementary information available   |   |   |

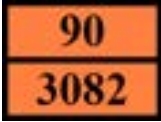
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### 14.6. Special precautions for user

#### Overland transport

|   |   |
|---|---|
| Classification code (ADR)   | : M6  |
| Special provisions (ADR)  | : 274, 335, 375, 601  |
| Limited quantities (ADR)  | : 5I  |
| Excepted quantities (ADR)   | : E1  |
| Packing instructions (ADR)  | : P001, IBC03, LP01, R001   |
| Special packing provisions (ADR)  | : PP1   |
| Mixed packing provisions (ADR)  | : MP19  |
| Portable tank and bulk container instructions (ADR)                     | : T4  |
| Portable tank and bulk container special provisions (ADR)               | : TP1, TP29   |
| Tank code (ADR)   | : LGBV  |
| Vehicle for tank carriage   | : AT  |
| Transport category (ADR)  | : 3   |
| Special provisions for carriage - Packages (ADR)                        | : V12   |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13  |
| Hazard identification number (Kemler No.)                               | : 90  |
| Orange plates   | :  |
| Tunnel restriction code (ADR)   | : -   |
| EAC code  | : •3Z   |

#### Transport by sea

|                                   |                 |
|-----------------------------------|-----------------|
| Special provisions (IMDG)         | : 274, 335, 969 |
| Limited quantities (IMDG)         | : 5 L           |
| Excepted quantities (IMDG)        | : E1            |
| Packing instructions (IMDG)       | : LP01, P001    |
| Special packing provisions (IMDG) | : PP1           |
| IBC packing instructions (IMDG)   | : IBC03         |
| Tank instructions (IMDG)          | : T4            |
| Tank special provisions (IMDG)    | : TP1, TP29     |
| EmS-No. (Fire)                    | : F-A           |
| EmS-No. (Spillage)                | : S-F           |
| Stowage category (IMDG)           | : A             |

#### Air transport

|  |                   |
|--|-------------------|
| PCA Excepted quantities (IATA)               | : E1              |
| PCA Limited quantities (IATA)                | : Y964            |
| PCA limited quantity max net quantity (IATA) | : 30kgG           |
| PCA packing instructions (IATA)              | : 964             |
| PCA max net quantity (IATA)                  | : 450L            |
| CAO packing instructions (IATA)              | : 964             |
| CAO max net quantity (IATA)                  | : 450L            |
| Special provisions (IATA)                    | : A97, A158, A197 |
| ERG code (IATA)                              | : 9L              |

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# AMPRO Resin

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

###### REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

###### REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

###### PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

###### POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

###### Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

###### VOC Directive (2004/42)

VOC content : 24.9 – 27.9 g/l Directive 2004/42/CE

###### Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

###### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

#### Full text of H- and EUH-statements:

|                                     |  |
|-------------------------------------|--|
| Acute Tox. 3<br>(Inhalation:vapour) | Acute toxicity (inhalation:vapour) Category 3                      |
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4                                |
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhal.), Category 4                                |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                  |
| Aquatic Acute Not classified        | Hazardous to the aquatic environment – Acute Hazard Not classified |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2  |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                      |
| H302                                | Harmful if swallowed.  |
| H312                                | Harmful in contact with skin.                                      |

# AMPRO Resin

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### Full text of H- and EUH-statements:

|               |  |
|---------------|--|
| H315          | Causes skin irritation.                          |
| H317          | May cause an allergic skin reaction.             |
| H319          | Causes serious eye irritation.                   |
| H331          | Toxic if inhaled.                                |
| H332          | Harmful if inhaled.                              |
| H411          | Toxic to aquatic life with long lasting effects. |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2            |
| Skin Sens. 1  | Skin sensitisation, Category 1                   |

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

|                   |      |                    |
|-------------------|------|--------------------|
| Skin Irrit. 2     | H315 | Calculation method |
| Eye Irrit. 2      | H319 | Calculation method |
| Skin Sens. 1      | H317 | Calculation method |
| Aquatic Chronic 2 | H411 | Calculation method |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. The information contained within this document is Gurit copyright and any distribution or publication beyond the recipient's organisation is prohibited without Gurit's prior written consent.

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

#### 1.1. Product identifier

Product form : Mixture  
Name : AMPRO Fast Hardener  
UFI : M2CR-WRDM-D00V-J6D4  
Product code : 19847  
Type of product : Hardener (Crosslinker)  
Product group : Hardener

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

##### 1.2.1. Relevant identified uses

Intended for general public

Main use category : Professional use, Industrial use, Consumer use

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

Gurit (UK) Ltd  
St Cross Business Park Newport  
GBR- PO30 5WU Isle of Wight  
United Kingdom  
T +44 (0) 1983 828 000 (All Technical and Commercial Enquiries)  
[Regulatory@Gurit.com](mailto:Regulatory@Gurit.com) - [www.gurit.com](http://www.gurit.com)

##### Other

Gurit (Spain) Ltd  
Polígono Industrial Romica C/K Parcela 11C, APDO.447  
ESP- 02080 Albacete  
Spain  
T +34 967 254 507 - F +34 967 254 005  
[Regulatory@gurit.com](mailto:Regulatory@gurit.com) - [www.Gurit.com](http://www.Gurit.com)

#### 1.4. Emergency telephone number

Emergency number : Carechem 24Hrs: +44 (0) 1273 289451  
Telephone number for use in case of chemical exposure, spillage or fire only.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|   |      |
|---|------|
| Acute toxicity (oral), Category 4                                 | H302 |
| Skin corrosion/irritation, Category 1, Sub-Category 1A            | H314 |
| Serious eye damage/eye irritation, Category 1                     | H318 |
| Skin sensitisation, Category 1                                    | H317 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 3 | H412 |

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

GHS07

Signal word (CLP) : Danger

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|                                |   |
|--------------------------------|---|
| Contains                       | : 1,6-Hexanediamine, 2,2,4(or 2,4,4)-trimethyl-, Phenol, styrenated, benzyl alcohol, 1,3-Benzenedimethanamine, 3-aminomethyl-3,5,5-trimethylcyclohexylamine   |
| Hazard statements (CLP)        | : H302 - Harmful if swallowed.<br>H314 - Causes severe skin burns and eye damage.<br>H317 - May cause an allergic skin reaction.<br>H412 - Harmful to aquatic life with long lasting effects.   |
| Precautionary statements (CLP) | : P102 - Keep out of reach of children.<br>P270 - Do not eat, drink or smoke when using this product.<br>P272 - Contaminated work clothing should not be allowed out of the workplace.<br>P273 - Avoid release to the environment.<br>P280 - Wear eye protection, protective clothing, protective gloves.<br>P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. |

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|---|---------|---|
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine  | CAS-No.: 2855-13-2<br>EC-No.: 220-666-8<br>EC Index-No.: 612-067-00-9<br>REACH-no: 01-2119514687-32 | 25 – 50 | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Chronic 3, H412  |
| 1,3-Benzenedimethanamine                      | CAS-No.: 1477-55-0<br>EC-No.: 216-032-5<br>REACH-no: 01-2119480150-50                               | 10 – 50 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Corr. 1B, H314<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412 |
| 1,6-Hexanediamine, 2,2,4(or 2,4,4)-trimethyl- | CAS-No.: 25620-58-0; 25513-64-8<br>EC-No.: 247-063-2<br>REACH-no: 01-2119560598-25                  | 5 – 25  | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317  |
| benzyl alcohol                                | CAS-No.: 100-51-6<br>EC-No.: 202-859-9<br>EC Index-No.: 603-057-00-5<br>REACH-no: 01-2119492630-38  | 10 – 25 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 3 (Inhalation:vapour), H331<br>Eye Irrit. 2, H319                   |
| Phenol, styrenated                            | CAS-No.: 61788-44-1<br>EC-No.: 262-975-0  | 1 – 10  | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411  |

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| Name   | Product identifier   | %   | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|-----|---|
| p-toluenesulphonic acid (containing a maximum of 5% H <sub>2</sub> SO <sub>4</sub> ) | CAS-No.: 104-15-4<br>EC-No.: 203-180-0<br>EC Index-No.: 016-030-00-2<br>REACH-no: 01-2119538811-39 | < 3 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335    |

### Specific concentration limits:

| Name   | Product identifier  | Specific concentration limits         |
|--|---|---------------------------------------|
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine   | CAS-No.: 2855-13-2<br>EC-No.: 220-666-8<br>EC Index-No.: 612-067-00-9<br>REACH-no: 01-2119514687-32 | ( 0,001 ≤C ≤ 100) Skin Sens. 1A, H317 |
| p-toluenesulphonic acid (containing a maximum of 5% H <sub>2</sub> SO <sub>4</sub> ) | CAS-No.: 104-15-4<br>EC-No.: 203-180-0<br>EC Index-No.: 016-030-00-2<br>REACH-no: 01-2119538811-39  | ( 20 ≤C ≤ 100) STOT SE 3, H335        |

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Call a physician immediately.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion    | : Rinse mouth. Do not induce vomiting. Call a physician immediately.   |

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

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after skin contact | : Burns. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : Serious damage to eyes.                     |
| Symptoms/effects after ingestion    | : Burns.                                      |

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

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

|  |                                |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

### 5.3. Advice for firefighters

|                             |   |
|-----------------------------|---|
| Precautionary measures fire | : Evacuate area.                                    |
| Firefighting instructions   | : Exercise caution when fighting any chemical fire. |

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                |  |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
| Other information              | : Collect contaminated fire fighting water separately. It must not enter drains.   |

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

|                      |  |
|----------------------|--|
| Protective equipment | : Protective clothing.   |
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe vapours. |

##### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Ventilate area.   |

#### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

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

|                         |   |
|-------------------------|---|
| For containment         | : Collect spillage.   |
| Methods for cleaning up | : Take up liquid spill into absorbent material.                 |
| Other information       | : Dispose of materials or solid residues at an authorized site. |

#### 6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                               |   |
|-------------------------------|---|
| Precautions for safe handling | : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe vapours. Wear personal protective equipment.  |
| Hygiene measures              | : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |

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

|                            |   |
|----------------------------|---|
| Storage conditions         | : Store locked up. Store in a well-ventilated place. Keep cool. |
| Storage temperature        | : ≤ 30 °C Possible pressure build-up                            |
| Storage area               | : Store away from heat. Store in a well-ventilated place.       |
| Special rules on packaging | : Keep only in original container.                              |

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

No additional information available

##### 8.1.2. Recommended monitoring procedures

No additional information available



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### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

| Skin and body protection |          |
|--------------------------|----------|
| Type                     | Standard |
| Tyvek® Gown/Coveralls    | EN 13034 |

##### Hand protection:

Protective gloves. Time of penetration is to be checked with the glove producer

| Hand protection   |                      |                  |                |             |            |
|-------------------|----------------------|------------------|----------------|-------------|------------|
| Type              | Material             | Permeation       | Thickness (mm) | Penetration | Standard   |
| Disposable gloves | Nitrile rubber (NBR) | 0 (< 10 minutes) | 0.26mm         |             | EN ISO 374 |

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

| Respiratory protection |                   |                   |          |
|------------------------|-------------------|-------------------|----------|
| Device                 | Filter type       | Condition         | Standard |
| Disposable half mask   | Gas/vapour filter | Vapour protection | EN 405   |

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Other information:

Industrial and professional. Perform risk assessment prior to use. Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

|   |                                |
|---|--------------------------------|
| Physical state                                  | : Liquid                       |
| Colour  | : Colourless.                  |
| Appearance                                      | : Clear to pale yellow liquid. |
| Odour   | : Amine-like.                  |
| Odour threshold                                 | : Not available                |
| Melting point                                   | : Not applicable               |
| Freezing point                                  | : Not available                |
| Boiling point                                   | : Not available                |
| Flammability                                    | : Not applicable               |
| Explosive limits                                | : Not available                |
| Lower explosion limit                           | : Not available                |
| Upper explosion limit                           | : Not available                |
| Flash point                                     | : > 93 °C Estimated            |
| Auto-ignition temperature                       | : Not available                |
| Decomposition temperature                       | : Not available                |
| pH  | : 8                            |
| Viscosity, kinematic                            | : Not available                |
| Viscosity, dynamic                              | : 620 cP 25°C                  |
| Solubility                                      | : Not available                |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                |
| Vapour pressure                                 | : Not available                |
| Vapour pressure at 50°C                         | : Not available                |
| Density   | : 1,04 g/cm <sup>3</sup>       |
| Relative density                                | : Not available                |
| Relative vapour density at 20°C                 | : Not available                |
| Particle characteristics                        | : Not applicable               |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 2,6 – 25,7 g/l Directive 2004/42/CE

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Product is not explosive.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

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### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Harmful if swallowed.  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### AMPRO Fast Hardener

|                |                           |
|----------------|---------------------------|
| ATE CLP (oral) | 1652,778 mg/kg bodyweight |
|----------------|---------------------------|

#### Phenol, styrenated (61788-44-1)

|               |            |
|---------------|------------|
| LD50 oral rat | 2500 mg/kg |
|---------------|------------|

|                    |              |
|--------------------|--------------|
| LD50 dermal rabbit | > 7940 mg/kg |
|--------------------|--------------|

#### p-toluenesulphonic acid (containing a maximum of 5% H<sub>2</sub>SO<sub>4</sub>) (104-15-4)

|                    |              |
|--------------------|--------------|
| LD50 dermal rabbit | > 2000 mg/kg |
|--------------------|--------------|

#### benzyl alcohol (100-51-6)

|           |   |
|-----------|---|
| LD50 oral | 1580 mg/kg bodyweight Animal: mouse, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1410 - 1770 |
|-----------|---|

|                    |   |
|--------------------|---|
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Remarks on results: other: |
|--------------------|---|

|                       |  |
|-----------------------|--|
| LC50 Inhalation - Rat | > 4178 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other: |
|-----------------------|--|

#### 1,3-Benzenedimethanamine (1477-55-0)

|           |                    |
|-----------|--------------------|
| LD50 oral | 980 (≤ 1180) mg/kg |
|-----------|--------------------|

|                 |            |
|-----------------|------------|
| LD50 dermal rat | 2000 mg/kg |
|-----------------|------------|

|                    |              |
|--------------------|--------------|
| LD50 dermal rabbit | > 3100 mg/kg |
|--------------------|--------------|

|                                   |              |
|-----------------------------------|--------------|
| LC50 Inhalation - Rat (Dust/Mist) | 1,34 mg/l/4h |
|-----------------------------------|--------------|

#### 3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)

|               |            |
|---------------|------------|
| LD50 oral rat | 1030 mg/kg |
|---------------|------------|

|                 |              |
|-----------------|--------------|
| LD50 dermal rat | > 2000 mg/kg |
|-----------------|--------------|

|                                   |              |
|-----------------------------------|--------------|
| LC50 Inhalation - Rat (Dust/Mist) | 5,01 mg/l/4h |
|-----------------------------------|--------------|

Skin corrosion/irritation : Causes severe skin burns.  
pH: 8  
Serious eye damage/irritation : Causes serious eye damage.  
pH: 8  
Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified

#### p-toluenesulphonic acid (containing a maximum of 5% H<sub>2</sub>SO<sub>4</sub>) (104-15-4)

|                      |                                   |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

STOT-repeated exposure : Not classified

# AMPRO Fast Hardener

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### benzyl alcohol (100-51-6)

|                            |   |
|----------------------------|---|
| NOAEL (oral, rat, 90 days) | 400 mg/kg bodyweight Animal: rat, Guideline: other: |
|----------------------------|---|

Aspiration hazard : Not classified

### benzyl alcohol (100-51-6)

|                      |                          |
|----------------------|--------------------------|
| Viscosity, kinematic | 0,005 mm <sup>2</sup> /s |
|----------------------|--------------------------|

## 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term : Not classified

(acute)

Hazardous to the aquatic environment, long-term : Harmful to aquatic life with long lasting effects.

(chronic)

### benzyl alcohol (100-51-6)

|                 |  |
|-----------------|--|
| LC50 - Fish [1] | 460 mg/l Test organisms (species): Pimephales promelas |
|-----------------|--|

|                      |  |
|----------------------|--|
| EC50 - Crustacea [1] | 230 mg/l Test organisms (species): Daphnia magna |
|----------------------|--|

|                      |  |
|----------------------|--|
| EC50 72h - Algae [1] | 770 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
|----------------------|--|

|                      |  |
|----------------------|--|
| EC50 72h - Algae [2] | 500 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
|----------------------|--|

|                      |   |
|----------------------|---|
| EC50 96h - Algae [1] | 76828 mg/l Test organisms (species): other: |
|----------------------|---|

|                   |  |
|-------------------|--|
| NOEC chronic fish | 48897 mg/l Test organisms (species): other: Duration: '30 d' |
|-------------------|--|

### 1,3-Benzenedimethanamine (1477-55-0)

|                      |         |
|----------------------|---------|
| EC50 72h - Algae [1] | 12 mg/l |
|----------------------|---------|

### 3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)

|                      |  |
|----------------------|--|
| EC50 - Crustacea [1] | 14,6 – 21,5 mg/l (48 h - Species: Daphnia magna [semi-static]) |
|----------------------|--|

|                      |  |
|----------------------|--|
| EC50 72h - Algae [1] | 37 mg/l (Species: Desmodesmus subspicatus) |
|----------------------|--|

## 12.2. Persistence and degradability

No additional information available

## 12.3. Bioaccumulative potential

### Phenol, styrenated (61788-44-1)

|   |                |
|---|----------------|
| Partition coefficient n-octanol/water (Log Pow) | > 4 (at 22 °C) |
|---|----------------|

### benzyl alcohol (100-51-6)

|   |     |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 1,1 |
|---|-----|

### 3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)

|   |                 |
|---|-----------------|
| Partition coefficient n-octanol/water (Log Pow) | 0,79 (at 23 °C) |
|---|-----------------|

## 12.4. Mobility in soil

No additional information available

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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available




## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |   |
|--|---|
| Regional legislation (waste)               | : Disposal must be done according to official regulations.  |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.               |
| Product/Packaging disposal recommendations | : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. |
| Ecology - waste materials                  | : Avoid release to the environment.   |
| European List of Waste (LoW) code          | : 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances        |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

| ADR   | IMDG  | IATA  |
|---|---|---|
| <b>14.1. UN number or ID number</b>   |   |   |
| UN 2735   | UN 2735   | UN 2735   |
| <b>14.2. UN proper shipping name</b>  |   |   |
| POLYAMINES, LIQUID, CORROSIVE, N.O.S.   | POLYAMINES, LIQUID, CORROSIVE, N.O.S.   | Polyamines, liquid, corrosive, n.o.s.   |
| <b>Transport document description</b>   |   |   |
| UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine ; 1,3-Benzenedimethanamine), 8, II, (E) | UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine ; 1,6-Hexanediamine, 2,2,4(or 2,4,4)-trimethyl-), 8, II | UN 2735 Polyamines, liquid, corrosive, n.o.s. (3-aminomethyl-3,5,5-trimethylcyclohexylamine ; 1,6-Hexanediamine, 2,2,4(or 2,4,4)-trimethyl-), 8, II |
| <b>14.3. Transport hazard class(es)</b>   |   |   |
| 8   | 8   | 8   |
|    |    |    |
| <b>14.4. Packing group</b>  |   |   |
| II  | II  | II  |

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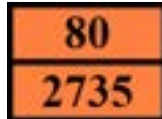
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| ADR                                    | IMDG  | IATA                              |
|--|---|-----------------------------------|
| <b>14.5. Environmental hazards</b>     |   |                                   |
| Dangerous for the environment: No      | Dangerous for the environment: No<br>Marine pollutant: No | Dangerous for the environment: No |
| No supplementary information available |   |                                   |

### 14.6. Special precautions for user

#### Overland transport

|   |               |
|---|---------------|
| Classification code (ADR)                                 | : C7          |
| Special provisions (ADR)                                  | : 274         |
| Limited quantities (ADR)                                  | : 1I          |
| Excepted quantities (ADR)                                 | : E2          |
| Packing instructions (ADR)                                | : P001, IBC02 |
| Mixed packing provisions (ADR)                            | : MP15        |
| Portable tank and bulk container instructions (ADR)       | : T11         |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP27   |
| Tank code (ADR)   | : L4BN        |
| Vehicle for tank carriage                                 | : AT          |
| Transport category (ADR)                                  | : 2           |
| Hazard identification number (Kemler No.)                 | : 80          |
| Orange plates   | :             |



|                               |      |
|-------------------------------|------|
| Tunnel restriction code (ADR) | : E  |
| EAC code                      | : 2X |
| APP code                      | : B  |

#### Transport by sea

|                                    |  |
|------------------------------------|--|
| Special provisions (IMDG)          | : 274  |
| Limited quantities (IMDG)          | : 1 L  |
| Excepted quantities (IMDG)         | : E2   |
| Packing instructions (IMDG)        | : P001   |
| IBC packing instructions (IMDG)    | : IBC02  |
| Tank instructions (IMDG)           | : T11  |
| Tank special provisions (IMDG)     | : TP1, TP27  |
| EmS-No. (Fire)                     | : F-A  |
| EmS-No. (Spillage)                 | : S-B  |
| Stowage category (IMDG)            | : A  |
| Segregation (IMDG)                 | : SG35   |
| Properties and observations (IMDG) | : Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Reacts violently with acids. Cause burns to skin, eyes and mucous membranes. |

#### Air transport

|  |            |
|--|------------|
| PCA Excepted quantities (IATA)               | : E2       |
| PCA Limited quantities (IATA)                | : Y840     |
| PCA limited quantity max net quantity (IATA) | : 0.5L     |
| PCA packing instructions (IATA)              | : 851      |
| PCA max net quantity (IATA)                  | : 1L       |
| CAO packing instructions (IATA)              | : 855      |
| CAO max net quantity (IATA)                  | : 30L      |
| Special provisions (IATA)                    | : A3, A803 |
| ERG code (IATA)                              | : 8L       |

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### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### VOC Directive (2004/42)

VOC content : 2,6 – 25,7 g/l Directive 2004/42/CE

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Indication of changes

| Section | Changed item                   | Change   | Comments |
|---------|--------------------------------|----------|----------|
|         | Supersedes                     | Modified |          |
|         | Revision date                  | Modified |          |
| 1.1     | Name                           | Modified |          |
| 1.2     | Main use category              | Modified |          |
| 2.2     | Precautionary statements (CLP) | Modified |          |
| 8.2     | Hand protection                | Modified |          |
| 11.1    | ATE CLP (oral)                 | Modified |          |

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| Full text of H- and EUH-statements:    |  |
|--|--|
| Acute Tox. 3<br>(Inhalation:vapour)    | Acute toxicity (inhalation:vapour) Category 3  |
| Acute Tox. 4 (Dermal)                  | Acute toxicity (dermal), Category 4  |
| Acute Tox. 4 (Inhalation)              | Acute toxicity (inhal.), Category 4  |
| Acute Tox. 4<br>(Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4   |
| Acute Tox. 4 (Oral)                    | Acute toxicity (oral), Category 4  |
| Aquatic Chronic 2                      | Hazardous to the aquatic environment – Chronic Hazard, Category 2                          |
| Aquatic Chronic 3                      | Hazardous to the aquatic environment – Chronic Hazard, Category 3                          |
| Eye Dam. 1                             | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2                           | Serious eye damage/eye irritation, Category 2  |
| H302                                   | Harmful if swallowed.  |
| H312                                   | Harmful in contact with skin.  |
| H314                                   | Causes severe skin burns and eye damage.   |
| H315                                   | Causes skin irritation.  |
| H317                                   | May cause an allergic skin reaction.   |
| H318                                   | Causes serious eye damage.   |
| H319                                   | Causes serious eye irritation.   |
| H331                                   | Toxic if inhaled.  |
| H332                                   | Harmful if inhaled.  |
| H335                                   | May cause respiratory irritation.  |
| H411                                   | Toxic to aquatic life with long lasting effects.   |
| H412                                   | Harmful to aquatic life with long lasting effects.   |
| Skin Corr. 1A                          | Skin corrosion/irritation, Category 1, Sub-Category 1A                                     |
| Skin Corr. 1B                          | Skin corrosion/irritation, Category 1, Sub-Category 1B                                     |
| Skin Irrit. 2                          | Skin corrosion/irritation, Category 2  |
| Skin Sens. 1                           | Skin sensitisation, Category 1   |
| Skin Sens. 1A                          | Skin sensitisation, category 1A  |
| STOT SE 3                              | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |      |                    |
|---|------|--------------------|
| Acute Tox. 4 (Oral)   | H302 | Calculation method |
| Skin Corr. 1A   | H314 | Calculation method |
| Eye Dam. 1  | H318 | Calculation method |
| Skin Sens. 1  | H317 | Calculation method |
| Aquatic Chronic 3   | H412 | Calculation method |

Safety Data Sheet (SDS), EU

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