

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

#### 1.1. Product identifier

Product form : Mixture  
Name : BondPro 320 Hardener  
Type of product : Hardener (Crosslinker)  
Product group : Hardener

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

##### Relevant identified uses

Main use category : Industrial use, Professional use

#### 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 SA  
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]

Skin corrosion/irritation, Category 1 H314  
Serious eye damage/eye irritation, Category 1 H318  
Skin sensitisation, Category 1 H317  
Reproductive toxicity, Category 2 H361  
Specific target organ toxicity – Repeated exposure, Category 1 H372  
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

Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. 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)



Signal word (CLP)

: Danger

Contains

: Propylene glycol diamine, 2-amino-, diether with Propylene; 3-aminomethyl-3,5,5-trimethylcyclohexylamine; 2-piperazin-1-ylethylamine

Hazard statements (CLP)

: H314 - Causes severe skin burns and eye damage.  
H317 - May cause an allergic skin reaction.

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|                                |                                                                                            |
|--------------------------------|--------------------------------------------------------------------------------------------|
| Precautionary statements (CLP) | H361 - Suspected of damaging fertility or the unborn child.                                |
|                                | H372 - Causes damage to organs (respiratory tract) through prolonged or repeated exposure. |
|                                | H412 - Harmful to aquatic life with long lasting effects.                                  |
|                                | : P201 - Obtain special instructions before use.                                           |
|                                | P202 - Do not handle until all safety precautions have been read and understood.           |
|                                | P260 - Do not breathe vapours.                                                             |
|                                | P264 - Wash hands thoroughly after handling.                                               |
|                                | P270 - Do not eat, drink or smoke when using this product.                                 |
|                                | P272 - Contaminated work clothing should not be allowed out of the workplace.              |

### 2.3. Other hazards

Contains no PBT and/or 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

### 3.2. Mixtures

| Name                                                       | Product identifier                                                                                  | %    | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                                                          |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Propylene glycol diamine, 2-amino-, diether with Propylene | CAS-No.: 9046-10-0<br>EC-No.: 618-561-0<br>REACH-no: 01-2119557899-12                               | < 50 | Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412                                                                                                                       |
| 2-piperazin-1-ylethylamine                                 | CAS-No.: 140-31-8<br>EC-No.: 205-411-0<br>EC Index-No.: 612-105-00-4<br>REACH-no: 01-2119471486-30  | < 25 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 3 (Dermal), H311<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Repr. 2, H361<br>STOT RE 1, H372<br>Aquatic Chronic 3, H412 |
| 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 | < 5  | 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                                                                   |

#### 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 $\leq$ C $\leq$ 100) Skin Sens. 1A; H317 |

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 general            | : IF exposed or concerned: Get medical advice/attention.                                                                                             |
| 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. Call a physician immediately. |
| 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 | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : Serious damage to eyes.              |

#### 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.                                                                                      |
| 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

##### For non-emergency personnel

|                      |                                                                                                               |
|----------------------|---------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Protective clothing.                                                                                        |
| Emergency procedures | : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. |

##### 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. Notify authorities if product enters sewers or public waters. |
| Other information       | : Dispose of materials or solid residues at an authorized site.                                               |

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### 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

Hygiene measures

: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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

No additional information available

### 8.2. Exposure controls

#### Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protective equipment

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



#### Eye and face protection

##### Eye protection:

Safety glasses

#### Skin protection

##### Skin and body protection:

Wear suitable protective clothing

#### Skin and body protection

| Type                  | Standard |
|-----------------------|----------|
| Tyvek® Gown/Coveralls | EN 13034 |

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### 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 |

### Respiratory protection

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection. 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   |

### 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 during use.

## SECTION 9: Physical and chemical properties

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

|                                                 |                             |
|-------------------------------------------------|-----------------------------|
| Physical state                                  | : Liquid                    |
| Colour                                          | : Purple.                   |
| Appearance                                      | : Paste.                    |
| Odour                                           | : Amine-like.               |
| Odour threshold                                 | : Not available             |
| Melting point                                   | : Not applicable            |
| Freezing point                                  | : Not available             |
| Boiling point                                   | : Not available             |
| Flammability                                    | : Not applicable            |
| Explosive properties                            | : Product is not explosive. |
| Lower explosion limit                           | : Not available             |
| Upper explosion limit                           | : Not available             |
| Flash point                                     | : Not available             |
| Auto-ignition temperature                       | : Not available             |
| Decomposition temperature                       | : Not available             |
| pH                                              | : ≈ 11,5                    |
| Viscosity, kinematic                            | : Not available             |
| Viscosity, dynamic                              | : 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                                         | : 1,11 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

No additional information available

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### 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

##### Propylene glycol diamine, 2-amino-, diether with Propylene (9046-10-0)

|                    |            |
|--------------------|------------|
| LD50 oral rat      | 2885 mg/kg |
| LD50 dermal rabbit | 2980 mg/kg |

##### 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 |

##### 2-piperazin-1-ylethylamine (140-31-8)

|                    |            |
|--------------------|------------|
| LD50 oral          | 2140 mg/kg |
| LD50 dermal rabbit | 866 mg/kg  |

Skin corrosion/irritation : Causes severe skin burns.  
pH:  $\approx$  11,5

##### Propylene glycol diamine, 2-amino-, diether with Propylene (9046-10-0)

|    |      |
|----|------|
| pH | 11,6 |
|----|------|

Serious eye damage/irritation : Causes serious eye damage.  
pH:  $\approx$  11,5

##### Propylene glycol diamine, 2-amino-, diether with Propylene (9046-10-0)

|    |      |
|----|------|
| pH | 11,6 |
|----|------|

Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Suspected of damaging fertility or the unborn child.

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STOT-single exposure : Not classified  
STOT-repeated exposure : Causes damage to organs (respiratory tract) through prolonged or repeated exposure.

### 2-piperazin-1-ylethylamine (140-31-8)

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| STOT-repeated exposure | Causes damage to organs (respiratory tract) through prolonged or repeated exposure (inhalation). |
|------------------------|--------------------------------------------------------------------------------------------------|

Aspiration hazard : Not classified

### Propylene glycol diamine, 2-amino-, diether with Propylene (9046-10-0)

|                      |                         |
|----------------------|-------------------------|
| Viscosity, kinematic | 10,8 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 (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

### 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)                     |

### 2-piperazin-1-ylethylamine (140-31-8)

|                      |                                                                                      |
|----------------------|--------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | 1950 – 2460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| LC50 - Fish [2]      | > 1000 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [semi-static])       |
| EC50 - Crustacea [1] | 32 mg/l (Exposure time: 48 h - Species: Daphnia magna)                               |
| EC50 72h - Algae [1] | 495 mg/l (Species: Pseudokirchneriella subcapitata)                                  |

## 12.2. Persistence and degradability

### BondPro 320 Hardener

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

### Propylene glycol diamine, 2-amino-, diether with Propylene (9046-10-0)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

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

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

### 2-piperazin-1-ylethylamine (140-31-8)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

## 12.3. Bioaccumulative potential

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

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

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### 2-piperazin-1-ylethylamine (140-31-8)

|                                                 |                               |
|-------------------------------------------------|-------------------------------|
| BCF - Fish [1]                                  | (no bioaccumulation expected) |
| Partition coefficient n-octanol/water (Log Pow) | -1,48                         |

### 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

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                            |                                                                                                             |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : 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. |
| Ecological information                     | : Avoid release to the environment.                                                                         |
| European List of Waste (LoW, EC 2000/532)  | : 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. (Propylene glycol diamine, 2-amino-, diether with Propylene ; 3-aminomethyl-3,5,5-trimethylcyclohexylamine), 8, II, (E) | UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Propylene glycol diamine, 2-amino-, diether with Propylene ; 3-aminomethyl-3,5,5-trimethylcyclohexylamine), 8, II | UN 2735 Polyamines, liquid, corrosive, n.o.s. (Propylene glycol diamine, 2-amino-, diether with Propylene ; 3-aminomethyl-3,5,5-trimethylcyclohexylamine), 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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| ADR                                    | IMDG                                                                                                        | IATA                              |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <b>14.5. Environmental hazards</b>     |                                                                                                             |                                   |
| Dangerous for the environment: No      | Dangerous for the environment: No<br>Marine pollutant: No<br>EmS-No. (Fire): F-A<br>EmS-No. (Spillage): S-B | 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 |

#### 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                                                                                                                                                                                                                                                                                      |
| Stowage category (IMDG)            | : A                                                                                                                                                                                                                                                                                              |
| Segregation (IMDG)                 | : SGG18, 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       |

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

Not applicable

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### SECTION 15: Regulatory information

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

##### 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 (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

###### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

###### 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)

##### National regulations

##### Germany

| Air Quality Control (TA Luft) |       |               |            |                |                         |
|-------------------------------|-------|---------------|------------|----------------|-------------------------|
| Category                      | Class | Applicable on | Local name | Max. mass flow | Max. mass concentration |

#### 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 (Dermal) | Acute toxicity (dermal), Category 3                               |
| Acute Tox. 4 (Oral)   | Acute toxicity (oral), Category 4                                 |
| Aquatic Chronic 3     | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Eye Dam. 1            | Serious eye damage/eye irritation, Category 1                     |
| Repr. 2               | Reproductive toxicity, Category 2                                 |
| Skin Corr. 1B         | Skin corrosion/irritation, Category 1, Sub-Category 1B            |
| Skin Corr. 1C         | Skin corrosion/irritation, Category 1, Sub-Category 1C            |
| Skin Sens. 1          | Skin sensitisation, Category 1                                    |

# BondPro 320 Hardener

## Safety Data Sheet

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

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

|               |                                                                                     |
|---------------|-------------------------------------------------------------------------------------|
| Skin Sens. 1A | Skin sensitisation, category 1A                                                     |
| STOT RE 1     | Specific target organ toxicity – Repeated exposure, Category 1                      |
| H302          | Harmful if swallowed.                                                               |
| H311          | Toxic in contact with skin.                                                         |
| H314          | Causes severe skin burns and eye damage.                                            |
| H317          | May cause an allergic skin reaction.                                                |
| H318          | Causes serious eye damage.                                                          |
| H361          | Suspected of damaging fertility or the unborn child.                                |
| H372          | Causes damage to organs (respiratory tract) through prolonged or repeated exposure. |
| H412          | Harmful to aquatic life with long lasting effects.                                  |

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

|                   |      |                       |
|-------------------|------|-----------------------|
| Skin Corr. 1      | H314 | On basis of test data |
| Eye Dam. 1        | H318 | On basis of test data |
| Skin Sens. 1      | H317 | Calculation method    |
| Repr. 2           | H361 | Calculation method    |
| STOT RE 1         | H372 | Calculation method    |
| Aquatic Chronic 3 | H412 | Calculation method    |

Safety Data Sheet (SDS), EU

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