

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

1.1. Product identifier

| | |
|-----------------|--------------------------|
| Product form | : Mixture |
| Name | : AMPRO Slow Hardener |
| UFI | : QSRT-7RVY-V00E-26C8 |
| Product code | : 19848 |
| 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 | : 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, 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, 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 1B | 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

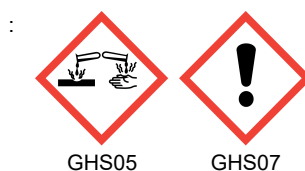
Adverse physicochemical, human health and environmental effects

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)



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| | |
|--------------------------------|---|
| Signal word (CLP) | : Danger |
| Contains | : Propylene glycol diamine, 2-amino-, diether with Propylene; benzyl alcohol; 3-aminomethyl-3,5,5-trimethylcyclohexylamine; Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 5-amino-1,3,3-trimethylcyclohexanemethanamine and (chloromethyl)oxirane; 1,3-Benzenedimethanamine; Phenol-formaldehyde polymer; 1,6-Hexanediamine, 2,2,4(or 2,4,4)-trimethyl-; Phenol, styrenated |
| Hazard statements (CLP) | : H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H412 - Harmful to aquatic life with long lasting effects. |
| Precautionary statements (CLP) | : P102 - Keep out of reach of children. 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. P273 - Avoid release to the environment. |

2.3. Other hazards

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

The mixture contains substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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

| Component | |
|---|---------------------------------|
| Substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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 | Phenol, styrenated (61788-44-1) |

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 EC-No.: 220-666-8 EC Index-No.: 612-067-00-9 REACH-no: 01-2119514687-32 | 25 – 50 | Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Chronic 3, H412 |
| 1,3-Benzenedimethanamine | CAS-No.: 1477-55-0 EC-No.: 216-032-5 REACH-no: 01-2119480150-50 | 10 – 25 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| Propylene glycol diamine, 2-amino-, diether with Propylene | CAS-No.: 9046-10-0 EC-No.: 618-561-0 REACH-no: 01-2119557899-12 | 10 – 25 | Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412 |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|--------|--|
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 5-amino-1,3,3-trimethylcyclohexanemethanamine and (chloromethyl)oxirane | CAS-No.: 38294-64-3; 38294-64-3 EC-No.: 500-101-4 REACH-no: 01-2119965165-33 | 5 – 25 | Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| Phenol-formaldehyde polymer | CAS-No.: 9003-35-4 EC-No.: 500-005-2 | 5 – 25 | Eye Irrit. 2, H319 Skin Sens. 1, H317 |
| 1,6-Hexanediamine, 2,2,4(or 2,4,4)-trimethyl- | CAS-No.: 25620-58-0; 25513-64-8 EC-No.: 247-063-2 REACH-no: 01-2119560598-25 | 1 – 5 | Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 |
| benzyl alcohol | CAS-No.: 100-51-6 EC-No.: 202-859-9 EC Index-No.: 603-057-00-5 REACH-no: 01-2119492630-38 | 3 – 5 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 |
| Phenol, styrenated substance identified as having endocrine disrupting properties | CAS-No.: 61788-44-1 EC-No.: 262-975-0 | < 3 | Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits (%) |
|--|---|---------------------------------------|
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine | CAS-No.: 2855-13-2 EC-No.: 220-666-8 EC Index-No.: 612-067-00-9 REACH-no: 01-2119514687-32 | (0,001 ≤ C ≤ 100) Skin Sens. 1A, H317 |

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.

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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

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.

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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

| 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 |

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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 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 |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : > 100 °C Estimated on the basis of the constituents : |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : ≈ 9 |
| Viscosity, kinematic | : Not available |
| 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 |
| Density | : 1,01 g/cm ³ 21°C |
| 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 : 60,5 – 126 g/l Directive 2004/42/CE

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

| AMPRO Slow Hardener | |
|--|---|
| ATE CLP (oral) | 916,059 mg/kg bodyweight |
| Propylene glycol diamine, 2-amino-, diether with Propylene (9046-10-0) | |
| LD50 oral rat | 2885 mg/kg |
| LD50 dermal rabbit | 2980 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: |
| 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 |
| 1,3-Benzenedimethanamine (1477-55-0) | |
| LD50 oral | 980 (≤ 1180) mg/kg |
| LD50 dermal rat | 2000 mg/kg |
| LD50 dermal rabbit | > 3100 mg/kg |

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

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

Phenol-formaldehyde polymer (9003-35-4)

LD50 oral rat > 5 g/kg

Phenol, styrenated (61788-44-1)

LD50 oral rat 2500 mg/kg

LD50 dermal rabbit > 7940 mg/kg

Skin corrosion/irritation : Causes severe skin burns.
pH: ≈ 9

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

pH 11,6

Serious eye damage/irritation : Causes serious eye damage.
pH: ≈ 9

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 : 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

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

Viscosity, kinematic 10,8 mm²/s

benzyl alcohol (100-51-6)

Viscosity, kinematic 0,005 mm²/s

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Component

Phenol, styrenated (61788-44-1) The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3)

11.2.2. Other information

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.

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| 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' |

| 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) |

| 1,3-Benzenedimethanamine (1477-55-0) | |
|---|---------|
| EC50 72h - Algae [1] | 12 mg/l |

12.2. Persistence and degradability

| AMPRO Slow Hardener | |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |

| Propylene glycol diamine, 2-amino-, diether with Propylene (9046-10-0) | |
|---|--------------------|
| Persistence and degradability | Rapidly degradable |

| benzyl alcohol (100-51-6) | |
|----------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |

| 3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2) | |
|---|--------------------|
| Persistence and degradability | Rapidly degradable |

| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 5-amino-1,3,3-trimethylcyclohexanemethanamine and (chloromethyl)oxirane (38294-64-3) | |
|---|--------------------|
| Persistence and degradability | Rapidly degradable |

| 1,3-Benzenedimethanamine (1477-55-0) | |
|---|--------------------|
| Persistence and degradability | Rapidly degradable |

| Phenol-formaldehyde polymer (9003-35-4) | |
|--|--------------------|
| Persistence and degradability | Rapidly degradable |

| 1,6-Hexanediamine, 2,2,4(or 2,4,4)-trimethyl- (25513-64-8) | |
|---|--------------------|
| Persistence and degradability | Rapidly degradable |

| Phenol, styrenated (61788-44-1) | |
|--|--------------------|
| Persistence and degradability | Rapidly degradable |

12.3. Bioaccumulative potential

| benzyl alcohol (100-51-6) | |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 1,1 |

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

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

Phenol, styrenated (61788-44-1)

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

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

Component

| | |
|---------------------------------|--|
| Phenol, styrenated (61788-44-1) | The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3) |
|---------------------------------|--|

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 |
|---|--|--|
| 14.1. UN number or ID number | | |
| UN 2735 | UN 2735 | UN 2735 |
| 14.2. UN proper shipping name | | |
| POLYAMINES, LIQUID, CORROSIVE, N.O.S. | POLYAMINES, LIQUID, CORROSIVE, N.O.S. | Polyamines, liquid, corrosive, n.o.s. |
| Transport document description | | |
| 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 ; 1,3-Benzenedimethanamine), 8, II | UN 2735 Polyamines, liquid, corrosive, n.o.s. (3-aminomethyl-3,5,5-trimethylcyclohexylamine ; 1,3-Benzenedimethanamine), 8, II |
| 14.3. Transport hazard class(es) | | |
| 8 | 8 | 8 |

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| ADR | IMDG | IATA |
|---|---|---|
|  |  |  |
| 14.4. Packing group | | |
| II | II | II |
| 14.5. Environmental hazards | | |
| Dangerous for the environment: No | Dangerous for the environment: No 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 |

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) | : 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 |

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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

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)

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.

VOC Directive (2004/42)

VOC content : 60,5 – 126 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 |
|---------|--------------------|----------|----------|
| | Revision date | Modified | |
| | Supersedes | Modified | |
| | Segregation (IMDG) | Modified | |

AMPRO Slow Hardener

Safety Data Sheet

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

| Indication of changes | | | |
|-----------------------|---|----------|----------|
| Section | Changed item | Change | Comments |
| 1.2 | Main use category | Modified | |
| 2.1 | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Modified | |
| 2.1 | Adverse physicochemical, human health and environmental effects | Modified | |
| 2.2 | Hazard statements (CLP) | Modified | |
| 2.2 | Precautionary statements (CLP) | Modified | |
| 3 | Composition/information on ingredients | Modified | |
| 11.1 | ATE CLP (oral) | Added | |

| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (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. |
| H332 | Harmful if inhaled. |
| 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 Corr. 1C | Skin corrosion/irritation, Category 1, Sub-Category 1C |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1A | Skin sensitisation, category 1A |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: | | |
|---|------|--------------------|
| Acute Tox. 4 (Oral) | H302 | Calculation method |

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

| | | |
|-------------------|------|--------------------|
| Skin Corr. 1B | 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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