

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Primer BHH B-component  
Product group : Coatings and paints, fillers, putties, thinners

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Function or use category : Coating

##### 1.2.2. Uses advised against

No additional information available.

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

Quartzline BV  
W.A. Boogaerdstraat 5  
3316 BN Dordrecht - Nederland  
T +31 (0)78 6513100 - F +31 (0)78 6177390  
[info@quartzline.nl](mailto:info@quartzline.nl) - [www.quartzline.nl](http://www.quartzline.nl)

#### 1.4. Emergency telephone number

Emergency number : +31 (0)78 6513100  
This number is serviced during office hours.

| Country        | Official advisory body   | Address                            | Emergency number | Remark  |
|----------------|--|------------------------------------|------------------|---|
| United Kingdom | National Poisons Information Service (Belfast Centre)<br>Royal Victoria Hospital | Grosvenor Road<br>BT12 6BA Belfast | 0344 892 0111    | Only for the purpose of informing medical personnel in cases of acute intoxications |

### 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  
Acute toxicity (inhalation:dust,mist) Category 4 H332  
Skin corrosion/irritation, Category 1, Sub-Category 1B H314  
Serious eye damage/eye irritation, Category 1 H318  
Skin sensitisation, Category 1 H317  
Reproductive toxicity, Category 2 H361d  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H-statements: see section 16

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

Causes severe skin burns and eye damage. May cause an allergic skin reaction. Harmful if inhaled. Harmful if swallowed. Suspected of damaging fertility or the unborn child. 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

GHS08

Signal word (CLP) :

Danger

Contains

Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, reaction products with bisphenol A diglycidyl ether homopolymer; m-phenylenebis(methylamine); 3-aminomethyl-3,5,5-trimethylcyclohexylamine; salicylic acid

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|                                |  |
|--------------------------------|--|
| Hazard statements (CLP)        | : H302+H332 - Harmful if swallowed or if inhaled.<br>H314 - Causes severe skin burns and eye damage.<br>H317 - May cause an allergic skin reaction.<br>H361d - Suspected of damaging the unborn child.<br>H412 - Harmful to aquatic life with long lasting effects.  |
| Precautionary statements (CLP) | : P201 - Obtain special instructions before use.<br>P261 - Avoid breathing vapours, mist.<br>P280 - Wear protective clothing, protective gloves, eye protection.<br>P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.. Immediately call a doctor, a POISON CENTER.<br>P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor, a POISON CENTER.<br>P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier  | Conc. (% w/w) | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|---|---|---------------|--|
| 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  | 25 – 50       | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332<br>Eye Irrit. 2, H319   |
| Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, reaction products with bisphenol A diglycidyl ether homopolymer | (CAS-No.) 68609-08-5<br>(EC-No.) 614-657-1<br>(REACH-no) 01-2120106013-80                               | 25 – 50       | Acute Tox. 4 (Oral), H302<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411   |
| m-phenylenebis(methylamine)   | (CAS-No.) 1477-55-0<br>(EC-No.) 216-032-5<br>(REACH-no) 01-2119480150-50                                | 10 – 25       | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<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 | 10 – 25       | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Skin Corr. 1B, H314<br>Skin Sens. 1A, H317<br>Aquatic Chronic 3, H412                        |
| salicylic acid  | (CAS-No.) 69-72-7<br>(EC-No.) 200-712-3<br>(EC Index-No.) 607-732-00-5<br>(REACH-no) 01-2119486984-17   | 2 – 10        | Repr. 2, H361d<br>Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318  |

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.   |
| First-aid measures after skin contact | : Take off immediately all contaminated clothing. Rinse skin with water/shower. Get immediate medical advice/attention.   |
| First-aid measures after eye contact  | : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. |
| First-aid measures after ingestion    | : Rinse mouth. Do not induce vomiting. Get immediate medical advice/attention.  |

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### 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

|  |  |
|--|--|
| Fire hazard                                      | : Presents no particular fire or explosion hazard.                   |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. Carbon oxides (CO, CO <sub>2</sub> ). |

### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.                              |

## 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. Do not breathe vapours, mist. |
|----------------------|--|

#### 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". |
|----------------------|---|

### 6.2. Environmental precautions

Avoid release to the environment.

### 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.   |

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |   |
|-------------------------------|---|
| Precautions for safe handling | : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Do not breathe vapours, mist. Avoid contact with skin and eyes. 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.   |

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

|                           |   |
|---------------------------|---|
| Storage conditions        | : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use. Store locked up. Keep out of frost. |
| Incompatible products     | : Strong oxidation agent.   |
| Heat and ignition sources | : Keep away from heat and direct sunlight.  |

### 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:

protective clothing. Gloves. Safety glasses. Insufficient ventilation: wear respiratory protection.

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



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses. Standard EN 166 - Personal eye-protection - specifications

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing. CEN : EN 340; EN 369; EN 465

##### Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF EN 374 or equivalent).

| Type   | Material                    | Permeation        | Thickness (mm) | Penetration | Standard |
|--------|-----------------------------|-------------------|----------------|-------------|----------|
| Gloves | Nitrile rubber (NBR), Viton | 6 (> 480 minutes) | ≥0.5           |             | EN 374   |

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of inadequate ventilation wear respiratory protection. EN 143

| Device              | Filter type   | Condition  | Standard |
|---------------------|---|--|----------|
| Breathing apparatus | Type A - High-boiling (>65 °C) organic compounds, Type P2 | Vapour protection, Protection for Liquid particles | EN 143   |

#### 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:

When using do not eat, drink or smoke.

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### SECTION 9: Physical and chemical properties

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

|   |  |
|---|--|
| Physical state                                  | : Liquid                                     |
| Colour  | : yellowish.                                 |
| Odour   | : Amine-like.                                |
| Odour threshold                                 | : No data available.                         |
| pH  | : No data available.                         |
| Relative evaporation rate (butylacetate=1)      | : No data available.                         |
| Melting point                                   | : No data available.                         |
| Freezing point                                  | : No data available.                         |
| Boiling point                                   | : > 200 °C                                   |
| Flash point                                     | : > 100 °C (DIN 53213)                       |
| Auto-ignition temperature                       | : 380 °C                                     |
| Decomposition temperature                       | : No data available.                         |
| Flammability (solid, gas)                       | : No data available.                         |
| Vapour pressure                                 | : 0.1 hPa (20 °C)                            |
| Relative vapour density at 20 °C                | : No data available.                         |
| Relative density                                | : No data available.                         |
| Density   | : 1.05 g/cm <sup>3</sup> (23 °C; ISO 2811-2) |
| Solubility                                      | : Water: Practically not miscible            |
| Partition coefficient n-octanol/water (Log Pow) | : No data available.                         |
| Viscosity, kinematic                            | : 323.81 mm <sup>2</sup> /s                  |
| Viscosity, dynamic                              | : 340 mPa·s (20 °C; ISO 3219)                |
| Explosive properties                            | : No data available.                         |
| Oxidising properties                            | : No data available.                         |
| Lower explosive limit (LEL)                     | : 1.2 vol %                                  |
| Upper explosive limit (UEL)                     | : 13 vol %                                   |

#### 9.2. Other information

No additional information available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 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

Strong oxidation agent.

#### 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 toxicological effects

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

#### Primer BHH B-component

|               |                      |
|---------------|----------------------|
| ATE oral      | 500 mg/kg bodyweight |
| ATE dust/mist | 2 mg/l/4h            |

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

|               |                       |
|---------------|-----------------------|
| LD50 oral rat | 1620 mg/kg            |
| ATE oral      | 1620 mg/kg bodyweight |

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|               |              |
|---------------|--------------|
| ATE gases     | 4500 ppmv/4h |
| ATE vapours   | 11 mg/l/4h   |
| ATE dust/mist | 1.5 mg/l/4h  |

### Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, reaction products with bisphenol A diglycidyl ether homopolymer (68609-08-5)

|                 |                      |
|-----------------|----------------------|
| LD50 dermal rat | > 2000 mg/kg         |
| ATE oral        | 500 mg/kg bodyweight |

### m-phenylenebis(methylamine) (1477-55-0)

|                       |                      |
|-----------------------|----------------------|
| LD50 dermal rat       | > 3100 mg/kg         |
| LC50 Inhalation - Rat | ≈ 1.34 mg/l/4h       |
| ATE oral              | 500 mg/kg bodyweight |
| ATE gases             | 4500 ppmv/4h         |
| ATE vapours           | 11 mg/l/4h           |
| ATE dust/mist         | 1.5 mg/l/4h          |

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

|                    |                       |
|--------------------|-----------------------|
| LD50 oral rat      | 1030 mg/kg            |
| LD50 dermal rabbit | 1340 mg/kg            |
| ATE oral           | 1030 mg/kg bodyweight |
| ATE dermal         | 1340 mg/kg bodyweight |

### salicylic acid (69-72-7)

|                 |                      |
|-----------------|----------------------|
| LD50 oral rat   | 891 mg/kg            |
| LD50 dermal rat | > 2000 mg/kg         |
| ATE oral        | 891 mg/kg bodyweight |

|                                   |   |
|-----------------------------------|---|
| Skin corrosion/irritation         | : Causes severe skin burns.               |
| Serious eye damage/irritation     | : Causes serious eye damage.              |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction.    |
| Germ cell mutagenicity            | : Not classified                          |
| Carcinogenicity                   | : Not classified                          |
| Reproductive toxicity             | : Suspected of damaging the unborn child. |
| STOT-single exposure              | : Not classified                          |
| STOT-repeated exposure            | : Not classified                          |
| Aspiration hazard                 | : Not classified                          |

### Primer BHH B-component

|                      |                           |
|----------------------|---------------------------|
| Viscosity, kinematic | 323.81 mm <sup>2</sup> /s |
|----------------------|---------------------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |  |
|---|--|
| 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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| <b>benzyl alcohol (100-51-6)</b> |  |
|----------------------------------|--|
| LC50 - Fish [1]                  | 460 mg/l (Pimephales promelas)                       |
| EC50 - Crustacea [1]             | 230 mg/l (OECD 202; Daphnia magna)                   |
| ErC50 algae                      | 770 mg/l (OECD 201; Pseudokirchneriella subcapitata) |
| NOEC chronic crustacea           | 51 mg/l (OECD 211; Daphnia magna)                    |
| NOEC chronic algae               | 310 mg/l (OECD 201; Pseudokirchneriella subcapitata) |

| <b>Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, reaction products with bisphenol A diglycidyl ether homopolymer (68609-08-5)</b> |   |
|---|---|
| LC50 - Fish [1]   | 1.62 mg/l (OECD 203; Danio rerio)                     |
| EC50 - Crustacea [1]  | 1.59 mg/l (OECD 202; Daphnia magna)                   |
| ErC50 algae   | 3.13 mg/l (OECD 201; Pseudokirchneriella subcapitata) |
| NOEC chronic algae  | 2.07 mg/l (OECD 201; Pseudokirchneriella subcapitata) |

| <b>m-phenylenebis(methylamine) (1477-55-0)</b> |   |
|--|---|
| LC50 - Fish [1]                                | 87.6 mg/l (OECD 203; Oryzias latipes)                 |
| EC50 - Crustacea [1]                           | 15.2 mg/l (OECD 202; Daphnia magna)                   |
| ErC50 algae                                    | 33.3 mg/l (OECD 201; Pseudokirchneriella subcapitata) |
| NOEC chronic crustacea                         | 4.7 mg/l (OECD 211; Daphnia magna)                    |
| NOEC chronic algae                             | 10.5 mg/l (OECD 201; Pseudokirchneriella subcapitata) |

| <b>3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)</b> |  |
|---|--|
| LC50 - Fish [1]   | 110 mg/l (EU Method C.1; Leuciscus idus)           |
| EC50 - Crustacea [1]  | 23 mg/l (OECD 202; Daohnia magna)                  |
| ErC50 algae   | > 50 mg/l (EU Method C.3; Desmodesmus subspicatus) |

| <b>salicylic acid (69-72-7)</b> |  |
|---------------------------------|--|
| EC50 - Crustacea [1]            | 870 mg/l (OECD 202; Daphnia magna)             |
| EC50 72h - Algae [1]            | > 100 mg/l (OECD 201; Desmodesmus subspicatus) |
| NOEC chronic crustacea          | 10 mg/l (Daphnia magna)                        |

### 12.2. Persistence and degradability

| <b>benzyl alcohol (100-51-6)</b> |                        |
|----------------------------------|------------------------|
| Persistence and degradability    | Readily biodegradable. |

| <b>Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, reaction products with bisphenol A diglycidyl ether homopolymer (68609-08-5)</b> |                            |
|---|----------------------------|
| Persistence and degradability   | Not readily biodegradable. |

| <b>m-phenylenebis(methylamine) (1477-55-0)</b> |                            |
|--|----------------------------|
| Persistence and degradability                  | Not readily biodegradable. |

| <b>3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)</b> |                            |
|---|----------------------------|
| Persistence and degradability                                   | Not readily biodegradable. |

| <b>salicylic acid (69-72-7)</b> |                        |
|---------------------------------|------------------------|
| Persistence and degradability   | Readily biodegradable. |

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### 12.3. Bioaccumulative potential

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

Partition coefficient n-octanol/water (Log Pow) 1.1 (20 °C)

#### Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, reaction products with bisphenol A diglycidyl ether homopolymer (68609-08-5)

Partition coefficient n-octanol/water (Log Pow) 2.36 (20 °C)

#### m-phenylenebis(methylamine) (1477-55-0)

Partition coefficient n-octanol/water (Log Pow) ≈ 0.18 (25 °C; pH 10,3 - 10,4)

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

Partition coefficient n-octanol/water (Log Pow) 0.99 (23 °C; pH 6,34)

#### salicylic acid (69-72-7)

Partition coefficient n-octanol/water (Log Pow) 2.25 (25 °C)

### 12.4. Mobility in soil

No additional information available.

### 12.5. Results of PBT and vPvB assessment

#### Primer BHH B-component

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                   |  |
|-----------------------------------|--|
| Waste treatment methods           | : Dispose of contents/container in accordance with licensed collector's sorting instructions.  |
| Ecology - waste materials         | : Avoid release to the environment.  |
| European List of Waste (LoW) code | : 08 00 00 - WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS<br>08 02 00 - wastes from MFSU of other coatings (including ceramic materials)<br>08 02 99 - wastes not otherwise specified |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID






| ADR   | IMDG   | IATA   | ADN  | RID  |
|---|--|--|--|--|
| <b>14.1. UN number</b>  |  |  |  |  |
| UN 2735   | UN 2735  | UN 2735  | UN 2735  | UN 2735  |
| <b>14.2. UN proper shipping name</b>  |  |  |  |  |
| AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : 3-aminomethyl-3,5,5-trimethylcyclohexylamine)                     | AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : 3-aminomethyl-3,5,5-trimethylcyclohexylamine)                | Amines, liquid, corrosive, n.o.s. (CONTAINS : 3-aminomethyl-3,5,5-trimethylcyclohexylamine)                | AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : 3-aminomethyl-3,5,5-trimethylcyclohexylamine)                | AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : 3-aminomethyl-3,5,5-trimethylcyclohexylamine)                |
| <b>Transport document description</b>   |  |  |  |  |
| UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : 3-aminomethyl-3,5,5-trimethylcyclohexylamine), 8, II, (E) | UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : 3-aminomethyl-3,5,5-trimethylcyclohexylamine), 8, II | UN 2735 Amines, liquid, corrosive, n.o.s. (CONTAINS : 3-aminomethyl-3,5,5-trimethylcyclohexylamine), 8, II | UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : 3-aminomethyl-3,5,5-trimethylcyclohexylamine), 8, II | UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : 3-aminomethyl-3,5,5-trimethylcyclohexylamine), 8, II |



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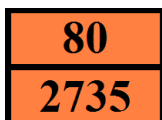
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2016/1179

| 14.3. Transport hazard class(es)  |   |   |   |   |
|---|---|---|---|---|
| 8   | 8   | 8   | 8   | 8   |
|  |  |  |  |  |
| 14.4. Packing group   |   |   |   |   |
| II  | II  | II  | II  | II  |
| 14.5. Environmental hazards   |   |   |   |   |
| Dangerous for the environment : No  | Dangerous for the environment : No<br>Marine pollutant : No                       | Dangerous for the environment : No  | Dangerous for the environment : 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)                 | : 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 |

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|  |            |
|--|------------|
| 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       |

### Inland waterway transport

|                                   |          |
|-----------------------------------|----------|
| Classification code (ADN)         | : C7     |
| Special provisions (ADN)          | : 274    |
| Limited quantities (ADN)          | : 1 L    |
| Excepted quantities (ADN)         | : E2     |
| Equipment required (ADN)          | : PP, EP |
| Number of blue cones/lights (ADN) | : 0      |

### Rail transport

|   |               |
|---|---------------|
| Classification code (RID)                                 | : C7          |
| Special provisions (RID)                                  | : 274         |
| Limited quantities (RID)                                  | : 1L          |
| Excepted quantities (RID)                                 | : E2          |
| Packing instructions (RID)                                | : P001, IBC02 |
| Mixed packing provisions (RID)                            | : MP15        |
| Portable tank and bulk container instructions (RID)       | : T11         |
| Portable tank and bulk container special provisions (RID) | : TP1, TP27   |
| Tank codes for RID tanks (RID)                            | : L4BN        |
| Transport category (RID)                                  | : 2           |
| Colis express (express parcels) (RID)                     | : CE6         |
| Hazard identification number (RID)                        | : 80          |

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

| The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006: |  |   |
|--|--|---|
| Reference code   | Applicable on  | Entry title or description  |
| 3(b)   | Primer BHH B-component ; benzyl alcohol ; m-phenylenebis(methylamine) ; 3-aminomethyl-3,5,5-trimethylcyclohexylamine | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c)   | Primer BHH B-component ; m-phenylenebis(methylamine) ; 3-aminomethyl-3,5,5-trimethylcyclohexylamine                  | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1   |

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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.

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

#### 15.1.2. National regulations

No additional information available.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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### SECTION 16: Other information

| Indication of changes: |   |          |          |
|------------------------|---|----------|----------|
| Section                | Changed item  | Change   | Comments |
|                        | Supersedes  | Added    |          |
|                        | Revision date   | Added    |          |
| 2.1                    | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Modified |          |
| 2.1                    | Adverse physicochemical, human health and environmental effects | Modified |          |
| 2.2                    | Precautionary statements (CLP)                                  | Modified |          |
| 2.2                    | Hazard pictograms (CLP)   | Modified |          |
| 2.2                    | Hazard statements (CLP)   | Modified |          |
| 4.1                    | First-aid measures after eye contact                            | Modified |          |
| 4.1                    | First-aid measures after skin contact                           | Modified |          |
| 4.1                    | First-aid measures after ingestion                              | Modified |          |
| 4.1                    | First-aid measures general                                      | Modified |          |
| 5.2                    | Hazardous decomposition products in case of fire                | Modified |          |
| 7.1                    | Precautions for safe handling                                   | Modified |          |
| 7.2                    | Incompatible products   | Modified |          |
| 7.2                    | Storage conditions  | Modified |          |
| 8.2                    | Personal protective equipment                                   | Modified |          |
| 8.2                    | Respiratory protection  | Modified |          |
| 9.1                    | Melting point   | Modified |          |
| 9.1                    | Viscosity, dynamic  | Modified |          |
| 9.1                    | Density   | Modified |          |
| 9.1                    | Vapour pressure   | Modified |          |
| 16                     | Data sources  | Modified |          |

### Abbreviations and acronyms:

|       |   |
|-------|---|
| ADR   | European Agreement concerning the International Carriage of Dangerous Goods by Road               |
| ADN   | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways   |
| ATE   | Acute Toxicity Estimate   |
| CLP   | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| IATA  | International Air Transport Association   |
| IMDG  | International Maritime Dangerous Goods  |
| LD50  | Median lethal dose  |
| PBT   | Persistent Bioaccumulative Toxic  |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID   | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| SDS   | Safety Data Sheet   |
| vPvB  | Very Persistent and Very Bioaccumulative  |

Data sources : according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2016/1179.

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Other information : REACH Disclaimer:  
This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number).  
DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

| 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                     |
| Repr. 2                             | Reproductive toxicity, Category 2                                 |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B            |
| Skin Sens. 1                        | Skin sensitisation, Category 1                                    |
| Skin Sens. 1A                       | Skin sensitisation, category 1A                                   |
| H302                                | Harmful if swallowed.   |
| H312                                | Harmful in contact with skin.                                     |
| H314                                | Causes severe skin burns and eye damage.                          |
| H317                                | May cause an allergic skin reaction.                              |
| H318                                | Causes serious eye damage.  |
| H319                                | Causes serious eye irritation.                                    |
| H332                                | Harmful if inhaled.   |
| H361d                               | Suspected of damaging the unborn child.                           |
| H411                                | Toxic to aquatic life with long lasting effects.                  |
| 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]: |       |                    |
|---|-------|--------------------|
| Acute Tox. 4 (Oral)   | H302  | Calculation method |
| Acute Tox. 4 (Inhalation:dust,mist)   | H332  | Calculation method |
| Skin Corr. 1B   | H314  | Calculation method |
| Eye Dam. 1  | H318  | Calculation method |
| Skin Sens. 1  | H317  | Calculation method |
| Repr. 2   | H361d | Calculation method |
| Aquatic Chronic 3   | H412  | Calculation method |

Safety Data Sheet applicable for regions : GB - United Kingdom

The classification complies with : ATP 12

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