

## Safety Data Sheet according to Regulation (EC) 'No. 2020/878



### SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

|  |  |                         |                |
|--|--|-------------------------|----------------|
| <b>1.1 Product Identifier</b>  | HYDRASEAL DPM PART B   | <b>Revision Date:</b>   | 17/10/2023     |
|  | <b>Product Name:</b> Hydraseal DPM Part B  | <b>Supersedes Date:</b> | 15/05/2023     |
|  |  | <b>Version Number:</b>  | No Information |
|  | <b>UFI Code:</b> K081-Q0Q8-000C-40SS   |                         |                |
|  | <b>Contain nanoform:</b> No  |                         |                |
| <b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b> | Coatings and paints, thinners, paint removers. Manual activities involving hand contact. Widespread use leading to inclusion into/onto article (indoor). For use by appropriately trained applicators. Roller application or brushing. Low energy spreading of coatings. Advised against: Home DIY applications, because of the health hazards and training required. Advised against: others than recommended |                         |                |
| <b>1.3 Details of the supplier of the safety data sheet</b>                              |  |                         |                |
|  | <b>Manufacturer:</b> Tremco CPG Poland Sp. z o. o.<br>Ul. Marywilska 34<br>03-228 Warszawa<br>Polska   |                         |                |
|  | Tel: +48 22 879 8907<br>Fax: +48 22 879 8918<br>ehs.uk@flowcrete.com<br>www.flowcrete.com.pl/  |                         |                |
|  | <b>Datasheet Produced by:</b> ehs.uk@flowcrete.com   |                         |                |
| <b>1.4 Emergency telephone number:</b>   | CHEMTREC +1 703 5273887 (Outside US)   |                         |                |

### SECTION 2: Hazards Identification

#### 2.1 Classification of the substance or mixture

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

**HAZARD STATEMENTS**

|   |         |
|---|---------|
| Skin Corrosion, category 1B                               | H314-1B |
| Skin Sensitizer, category 1                               | H317    |
| Respiratory Sensitizer, category 1                        | H334    |
| Reproductive Toxicity, category 2                         | H361F   |
| Hazardous to the aquatic environment, Chronic, category 2 | H411    |

**2.2 Label elements****Symbol(s) of Product****Signal Word**

Danger

**Named Chemicals on Label**

4-tert-Butylphenol, Ethylenediamine, m-Phenylenebis(methylamine), Trimethylhexane-1,6-diamine

**HAZARD STATEMENTS**

|   |         |  |
|---|---------|--|
| Skin Corrosion, category 1B                               | H314-1B | Causes severe skin burns and eye damage.                                   |
| Skin Sensitizer, category 1                               | H317    | May cause an allergic skin reaction.                                       |
| Respiratory Sensitizer, category 1                        | H334    | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Reproductive_ToxicityF_category_2                         | H361F   | Suspected of damaging fertility.   |
| Hazardous to the aquatic environment, Chronic, category 2 | H411    | Toxic to aquatic life with long lasting effects.                           |

**PRECAUTION PHRASES**

|              |   |
|--------------|---|
| P260         | Do not breathe dust/fume/gas/mist/vapours/spray.  |
| P264         | Wash hands thoroughly after handling.   |
| P273         | Avoid release to the environment.   |
| P280         | Wear protective gloves/protective clothing/eye protection/face protection.  |
| P284         | Wear respiratory protection.  |
| P285         | In case of inadequate ventilation wear respiratory protection.  |
| P301+310     | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.   |
| P301+330+331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  |
| P302+352     | IF ON SKIN: Wash with plenty of soap and water.   |
| P304+340     | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.                                    |
| P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. |
| P308+313     | IF exposed or concerned: Get medical advice/attention.  |
| P333+313     | If skin irritation or rash occurs: Get medical advice/attention.  |
| P341         | If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.                     |
| P342+311     | If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.   |
| P363         | Wash contaminated clothing before reuse.  |
| P391         | Collect spillage.   |

**2.3 Other hazards**

No Information

**Results of PBT and vPvB assessment:**

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

**Endocrine disrupting properties - Toxicity**

| Name According to EEC | CAS-No. |
|-----------------------|---------|
| 4-tert-Butylphenol    | 98-54-4 |

**Endocrine disrupting properties - Ecotoxicity**

| Name According to EEC | CAS-No. |
|-----------------------|---------|
| 4-tert-Butylphenol    | 98-54-4 |

**SECTION 3: Composition/Information On Ingredients****3.1 Substances**

Not applicable

**3.2 Mixtures****Hazardous ingredients**

| <u>Name According to EEC</u><br><u>EINEC No.</u><br><u>CAS-No.</u><br><u>REACH Reg No.</u> | <u>%</u>  | <u>Classifications</u>  | <u>SCL Value:</u><br><u>ATE Value:</u><br><u>M-Factor:</u>   |
|--|-----------|---|--|
| 4-tert-Butylphenol<br>202-679-0<br>98-54-4<br>01-2119489419-21                             | 2.5 - <10 | H315-318-361F-410<br><br>Aquatic Chronic 1, Eye Dam. 1, Repr. 2, Skin Irrit. 2  | <b>SCL Value:</b> -<br><br><b>ATE Value:</b> -<br><br><b>M-Factor: (acute)</b> 1<br><br><b>M-Factor: (chronic)</b> - |
| m-Phenylenebis(methylamine)<br>216-032-5<br>1477-55-0<br>01-2119480150-50                  | 2.5 - <10 | H302-314-317-332-412<br><br>Acute Tox. 4 Inhalation, Acute Tox. 4 Oral, Aquatic Chronic 3, Skin Corr. 1B, Skin Sens. 1B | <b>SCL Value:</b> -<br><br><b>ATE Value:</b> -<br><br><b>M-Factor: (acute)</b> -<br><br><b>M-Factor: (chronic)</b> - |

|  |            |   |  |
|--|------------|---|--|
| Trimethylhexane-1,6-diamine<br>247-134-8<br>25620-58-0<br>01-2119560598-25 | 1.0 - <2.5 | H302-314-317-412<br><br>Acute Tox. 4 Oral, Aquatic Chronic 3, Skin<br>Corr. 1B, Skin Sens. 1  | <b>SCL Value:</b> -<br><br><b>ATE Value:</b> -<br><br><b>M-Factor:<br/>(acute)</b> -<br><br><b>M-Factor:<br/>(chronic)</b> - |
| Ethylenediamine<br>203-468-6<br>107-15-3<br>01-2119480383-37               | 1.0 - <2.5 | H226-302-311-314-317-332-334-412<br><br>Acute Tox. 3 Dermal, Acute Tox. 4 Inhalation,<br>Acute Tox. 4 Oral, Aquatic Chronic 3, Flam.<br>Liq. 3, Resp. Sens. 1, Skin Corr. 1B, Skin<br>Sens. 1 | <b>SCL Value:</b> -<br><br><b>ATE Value:</b> -<br><br><b>M-Factor:<br/>(acute)</b> -<br><br><b>M-Factor:<br/>(chronic)</b> - |

**Additional Information:** The text for CLP Hazard Statements shown above (if any) is given in Section 16.

## SECTION 4: First-aid Measures

### 4.1 Description of First Aid Measures

**GENERAL NOTES:** When symptoms persist or in all cases of doubt seek medical advice. Show this safety data sheet to the doctor in attendance. Risk of product entering the lungs on vomiting after ingestion. Remove contaminated clothing and shoes.

**AFTER INHALATION:** Move to fresh air. Consult a physician after significant exposure. Keep respiratory tract clear. Remove person to fresh air. If signs/symptoms continue, get medical attention.

**AFTER SKIN CONTACT:** Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**AFTER EYE CONTACT:** Keep eye wide open while rinsing. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.

**AFTER INGESTION:** Gently wipe or rinse the inside of the mouth with water. Do NOT induce vomiting. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If swallowed, seek medical advice immediately and show this container or label.

#### Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

May cause sensitization by skin contact.

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

Immediate medical attention is required. No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

## SECTION 5: Firefighting Measures

### 5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam, Water Fog

**FOR SAFETY REASONS NOT TO BE USED:** Alcohol, Alcohol based solutions, any other media not listed above.

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

In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

### 5.3 Advice for firefighters

Keep containers and surroundings cool with water spray. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Fire will produce dense black smoke containing hazardous combustion products (see section 10). In the event of fire, wear self-contained breathing apparatus. High volume water jet. Hazardous decomposition products formed under fire conditions. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

## SECTION 6: Accidental Release Measures

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

#### 6.1.1 For non-emergency personnel

Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak.

#### 6.1.2 For emergency responders

See Section 7, 8 and 10 for further information.

### 6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains. May cause long-term adverse effects in the aquatic environment.

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

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Refer to protective measures listed in sections 7 and 8.

### 6.4 Reference to other sections

**FURTHER INSTRUCTIONS:** Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 8 and 13 for further information.

## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Use only in well-ventilated areas. Do not breathe vapours or spray mist.

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. In the case of sensitisation to any of the ingredients, it is inadvisable to work with the product. Handle in accordance with good industrial hygiene and safety practice. Keep working clothes separately. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Wash hands and face before breaks and immediately after handling the product.

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

**CONDITIONS TO AVOID:** Avoid temperatures above 40 °C, direct sunlight and contact with sources of heat. Direct sources of heat. Do not freeze.

**STORAGE CONDITIONS:** Do not freeze. Store in original container. Store at room temperature in the original container. Keep locked up or in an area accessible only to qualified or authorised persons. Keep container closed when not in use. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

### 7.3 Specific end use(s)

Component of a resin flooring product. The mixing and application to be in accordance with the technical data sheets.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Ingredients with Occupational Exposure Limits (UK WELS)

| <u>Name</u>                 | <u>CAS-No.</u> | <u>LTEL ppm</u> | <u>STEL ppm</u> | <u>STEL mg/m3</u> | <u>LTEL mg/m3</u> |
|-----------------------------|----------------|-----------------|-----------------|-------------------|-------------------|
| 4-tert-Butylphenol          | 98-54-4        |                 |                 |                   |                   |
| m-Phenylenebis(methylamine) | 1477-55-0      |                 |                 |                   |                   |
| Trimethylhexane-1,6-diamine | 25620-58-0     |                 |                 |                   |                   |
| Ethylenediamine             | 107-15-3       |                 |                 |                   |                   |

| <u>Name</u>                 | <u>CAS-No.</u> | <u>OEL Note</u> |
|-----------------------------|----------------|-----------------|
| 4-tert-Butylphenol          | 98-54-4        |                 |
| m-Phenylenebis(methylamine) | 1477-55-0      |                 |
| Trimethylhexane-1,6-diamine | 25620-58-0     |                 |
| Ethylenediamine             | 107-15-3       |                 |

**FURTHER ADVICE:** Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified under the EU CLP Regulation.

#### Chemical Name:

4-tert-Butylphenol

#### EC No.:

202-679-0

#### CAS-No.:

98-54-4

#### DNELs - Derived no effect level

| Route of Exposure | Workers            |                        |                       |                          | Consumers          |                        |                       |                          |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
|                   | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral              | Not required       |                        |                       |                          |                    |                        |                       | 0.026 mg/kg              |
| Inhalation        |                    |                        |                       | 0.5 mg/m3                |                    |                        |                       | 0.09 mg/m3               |
| Dermal            |                    |                        |                       | 0.071 mg/kg              |                    |                        |                       | 0.026 mg/kg              |

#### PNEC's - Predicted no effect concentration

| Environmental protection target    | PNEC         |
|------------------------------------|--------------|
| Fresh water                        | 0.01 mg/l    |
| Fresh water sediments              | 0.975 mg/kg  |
| Marine water                       | 0.001 mg/l   |
| Marine sediments                   | 0.0975 mg/kg |
| Food chain                         |              |
| Microorganisms in sewage treatment | 1.5 mg/l     |
| soil (agricultural)                | 0.324 mg/kg  |
| Air                                |              |

**Chemical Name:**

m-Phenylenebis(methylamine)

**EC No.:**

216-032-5

**CAS-No.:**

1477-55-0

**DNELs - Derived no effect level**

| Route of Exposure | Workers            |                        |                       |                          | Consumers          |                        |                       |                          |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
|                   | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral              | Not required       |                        |                       |                          |                    |                        |                       |                          |
| Inhalation        |                    |                        | 0.2 mg/m <sup>3</sup> | 1.2 mg/m <sup>3</sup>    |                    |                        |                       |                          |
| Dermal            |                    |                        |                       | 0.33 mg/kg bw/d          |                    |                        |                       |                          |

**PNEC's - Predicted no effect concentration**

| Environmental protection target                        | PNEC        |
|--|-------------|
| Fresh water  | 0.094 mg/l  |
| Fresh water sediments                                  | 0.43 mg/kg  |
| Marine water   | 0.0094 mg/l |
| Marine sediments                                       | 0.043 mg/kg |
| Food chain   |             |
| Microorganisms in sewage treatment soil (agricultural) | 10 mg/l     |
| Air  | 0.045 mg/kg |

**Chemical Name:**

Trimethylhexane-1,6-diamine

**EC No.:**

247-134-8

**CAS-No.:**

25620-58-0

**DNELs - Derived no effect level**

| Route of Exposure | Workers            |                        |                       |                          | Consumers          |                        |                       |                          |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
|                   | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral              | Not required       |                        |                       |                          |                    |                        |                       |                          |
| Inhalation        |                    |                        |                       |                          |                    |                        |                       |                          |
| Dermal            |                    |                        |                       |                          |                    |                        |                       |                          |

**PNEC's - Predicted no effect concentration**

| Environmental protection target                        | PNEC        |
|--|-------------|
| Fresh water  | 0.102 mg/l  |
| Fresh water sediments                                  | 0.662 mg/kg |
| Marine water   | 0.01 mg/l   |
| Marine sediments                                       | 0.062 mg/kg |
| Food chain   |             |
| Microorganisms in sewage treatment soil (agricultural) | 72 mg/l     |
| Air  |             |

**8.2 Exposure controls****Personal Protection****RESPIRATORY PROTECTION:** In case of insufficient ventilation wear suitable respiratory equipment.**EYE PROTECTION:** Eye wash bottle with pure water. Safety glasses with side-shields conforming to EN 166.**HAND PROTECTION:** Use chemical resistant gloves (EN 374): Nitrile rubber; thickness  $\geq 0,5$  mm; breakthrough time  $\geq 480$  min. Impervious gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Long sleeved clothing. Remove and wash contaminated clothing before re-use.**OTHER PROTECTIVE EQUIPMENT:** No Information**ENGINEERING CONTROLS:** As a rule, at least 5 air changes per hour are recommended at the workplace. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.**SECTION 9: Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

|  |                           |
|--|---------------------------|
| <b>Colour:</b>   | Amber                     |
| <b>Physical State</b>  | Liquid                    |
| <b>Odor</b>  | Amine like                |
| <b>Odor threshold</b>  | Not determined            |
| <b>pH</b>  | Not determined            |
| <b>Melting point / freezing point (°C)</b>                           | Not determined            |
| <b>Boiling point or initial boiling point and boiling range (°C)</b> | 116 - N.D.                |
| <b>Flash Point, (°C)</b>   | Not measured              |
| <b>Evaporation rate</b>  | Not determined            |
| <b>Flammability (solid, gas)</b>                                     | Not determined            |
| <b>Lower and upper explosive limit</b>                               | Not determined            |
| <b>Vapour Pressure</b>   | Not determined            |
| <b>Relative vapour density</b>                                       | Not determined            |
| <b>Density and/or relative density</b>                               | ca. 0.98                  |
| <b>Solubility in / Miscibility with water</b>                        | Insoluble                 |
| <b>Partition coefficient: n-octanol/water</b>                        | Not determined            |
| <b>Auto-ignition temperature (°C)</b>                                | Not determined            |
| <b>Decomposition temperature (°C)</b>                                | Not determined            |
| <b>Kinematic viscosity</b>   | Not determined            |
| <b>Particle characteristics</b>                                      | Not applicable to liquids |

## 9.2 Other information

|  |       |
|--|-------|
| <b>VOC Content g/l:</b>                    | <10   |
| <b>Specific Gravity (g/cm<sup>3</sup>)</b> | 0.120 |

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

### 10.2 Chemical stability

No decomposition if stored and applied as directed. Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur. Hazardous polymerisation may occur.

### 10.4 Conditions to avoid

Avoid temperatures above 40 °C, direct sunlight and contact with sources of heat. Direct sources of heat. Do not freeze.

### 10.5 Incompatible materials

Acids. Strong oxidizing agents.

### 10.6 Hazardous decomposition products

In case of fire **hazardous decomposition products** may be produced such as: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

## SECTION 11: Toxicological information

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

**Acute Toxicity:**

|                  |                |
|------------------|----------------|
| Oral LD50:       | No Information |
| Inhalation LC50: | No Information |
| Dermal LD50:     | No Information |

**Irritation:** Corrosive to eyes and skin.

**Corrosivity:** No information available.

**Sensitization:** May cause an allergic skin reaction.

**Repeated dose toxicity:** No information available.

**Carcinogenicity:** No information available.

**Mutagenicity:** No information available.

**Toxicity for reproduction:** No information available.

**STOT-single exposure:** No information available.

**STOT-repeated exposure:** No information available.

**Aspiration hazard:** No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>Oral LD50</u>     | <u>Dermal LD50</u>   | <u>Vapor LC50</u> | <u>Gas LC50</u> | <u>Dust/Mist LC50</u> |
|----------------|------------------------------|----------------------|----------------------|-------------------|-----------------|-----------------------|
| 98-54-4        | 4-tert-Butylphenol           | >2000 mg/kg          | 5600 mg/kg           |                   | 0.000           | 0.000                 |
| 1477-55-0      | m-Phenylenebis (methylamine) |                      | >2000 mg/kg (rabbit) | Not determined    | Not determined  | 1.34 mg/l (rat)       |
| 25620-58-0     | Trimethylhexane-1,6-diamine  | 910 mg/kg, oral, rat |                      |                   | 0.000           | 0.000                 |
| 107-15-3       | Ethylenediamine              | 500 mg/kg (rat)      | 730 mg/kg (rat)      |                   | 0.000           | 0.000                 |

**Additional Information:**

In the case of sensitisation to any of the ingredients, it is inadvisable to work with the product. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Corrosive - causes irreversible eye damage.

**11.2 Information on other hazards****Endocrine disrupting properties - Toxicity**

| Name According to EEC | CAS-No. |
|-----------------------|---------|
| 4-tert-Butylphenol    | 98-54-4 |

**SECTION 12: Ecological Information****12.1 Toxicity:**

|                      |                |
|----------------------|----------------|
| EC50 48hr (Daphnia): | No information |
| IC50 72hr (Algae):   | No information |
| LC50 96hr (fish):    | No information |

- 12.2 Persistence and degradability:** No information
- 12.3 Bioaccumulative potential:** No information
- 12.4 Mobility in soil:** No information
- 12.5 Results of PBT and vPvB assessment:** The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.
- 12.6 Endocrine disrupting properties**

**Endocrine disrupting properties - Ecotoxicity**

| Name According to EEC | CAS-No. |
|-----------------------|---------|
| 4-tert-Butylphenol    | 98-54-4 |

- 12.7 Other adverse effects:** No information

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>EC50 48hr</u>          | <u>IC50 72hr</u>           | <u>LC50 96hr</u>            |
|----------------|------------------------------|---------------------------|----------------------------|-----------------------------|
| 98-54-4        | 4-tert-Butylphenol           | 3.4 to 4.5 mg/l           | 2.4 mg/l                   | 4.71 to 5.62 mg/l           |
| 1477-55-0      | m-Phenylenebis(methylamine)  | 15.2 mg/l (Daphnia magna) | 20.3 mg/l (P. subcapitata) | 87.6 mg/l (Oryzias latipes) |
| 25620-58-0     | Trimethylhexane-1,6-diamine  | No information            | 29.5 mg/L                  |                             |
| 107-15-3       | Ethylenediamine              | 16.7 mg/L                 | 645 mg/L                   | 640 mg/L                    |

## SECTION 13: Disposal Considerations

- 13.1 WASTE TREATMENT METHODS:** Dispose of as hazardous waste in compliance with local and national regulations. If recycling is not practicable, dispose of in compliance with local regulations. Container hazardous when empty. Empty containers should be taken to an approved waste handling site for recycling or disposal. The product should not be allowed to enter drains, water courses or the soil.

**European Waste Code:** No Information  
**Packaging Waste Code:** 150110

**SECTION 14: Transport Information**

|  | ADR/RID  | ADN   | IMDG   | IATA   |
|--|--|---|--|--|
| <b>14.1 UN-number or ID number</b>     | UN2735   | UN2735  | UN2735   | UN2735   |
| <b>14.2 UN proper shipping name</b>    | Amines, liquid, corrosive, N.O.S.,(m-Xylene diamine and Trimethylhexamethylenediamine) | Amines, liquid, corrosive, N.O.S., (m-Xylene diamine and Trimethylhexamethylenediamine) | Amines, liquid, corrosive, N.O.S.,(m-Xylene diamine and Trimethylhexamethylenediamine) | Amines, liquid, corrosive, N.O.S.,(m-Xylene diamine and Trimethylhexamethylenediamine) |
| <b>14.3 Transport Hazard Class(es)</b> | 8  | 8   | 8  | 8  |
| <b>14.4 Packing Group</b>              | III  | III   | III  | III  |
| <b>14.5 Enviromental Hazards</b>       | No Information   | No Information  | No Information   | No Information   |

**14.6 Special precautions for user** Not applicable

**EmS-No.:** Not applicable

**14.7 Maritime transport in bulk according to IMO intruments** Not applicable

**SECTION 15: Regulatory Information****15.1 Safety, health and environmental regulations/legislation for the substance or mixture:****National Regulations:**

**Denmark Product Registration Number:** Not available

**Danish MAL Code:** 3-5 (1993)

**Danish MAL Code - Mixture:** Not available

**Sweden Product Registration Number:** Not available

**Norway Product Registration Number:** 100100

**Germany WGK Class:** 2

**Directive 2004/42/CE :** <10

**Covered by Directive 2012/18/EC (Seveso III):** Not applicable

**Restrictions to product or to substances according to Annex XVII, Regulation (CE) 1907/2006:** Not applicable

**Annex XIV, Regulation (CE) 1907/2006 - Authorisation List:**

**CAS-No.**      **Name According to EEC**

Not Applicable

**SVHC - Substances of very high concern (Candidate List - Art. 59 REACH):**

**CAS-No.**      **Name According to EEC**

107-15-3      Ethylenediamine

**15.2 Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16: Other Information**

**Text for CLP Hazard Statements shown in Section 3 describing each ingredient:**

|       |  |
|-------|--|
| H226  | Flammable liquid and vapour.   |
| H302  | Harmful if swallowed.  |
| H311  | Toxic 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.   |
| H332  | Harmful if inhaled.  |
| H334  | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H361f | Suspected of damaging fertility.   |
| H410  | Very toxic to aquatic life with long lasting effects.                      |
| H412  | Harmful to aquatic life with long lasting effects.                         |

**Reasons for revision**

Substance and/or Product Properties Changed in Section(s) :

- 01 - Identification
- 02 - Hazard Identification
- 11 - Toxicological Information
- 15 - Regulatory Information

This Safety Data Sheet (SDS) has been revised to meet the new EU CLP requirements. There have been both formatting and content changes based on the CLP classification (if applicable), please review each section of the SDS for specific changes.

**List of References:**

This Safety Data Sheet was compiled with data and information from the following sources:

- The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark.
- Joint Research Centre in Ispra, Italy.
- Regulation (EC) 1272/2008 with subsequent amendments.
- Regulation (EC) 1272/2006 with subsequent amendments.
- Commission Regulation (EU) 2020/878
- EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"
- Safety Data Sheet from raw material supplier
- The classification declared in sec. 2.2 is based on the calculation methods set out in Annex I and Annex II of the CLP Reg. 1272/2008 on the composition of the formula.

**Acronym & Abbreviation Key:**

CLP                      Classification, Labeling & Packaging Regulation

|          |  |
|----------|--|
| EC       | European Commission  |
| EU       | European Union   |
| US       | United States  |
| CAS      | Chemical Abstract Service  |
| EINECS   | European Inventory of Existing Chemical Substances   |
| REACH    | Registration, Evaluation, Authorization of Chemicals Regulation  |
| GHS      | Globally Harmonized System of Classification and Labeling of Chemicals   |
| LTEL     | Long term exposure limit   |
| STEL     | Short term exposure limit  |
| OEL      | Occupational exposure limit  |
| ppm      | Parts per million  |
| mg/m3    | Milligrams per cubic meter   |
| TLV      | Threshold Limit Value  |
| ACGIH    | American Conference of Governmental Industrial Hygienists  |
| OSHA     | Occupational Safety & Health Administration  |
| PEL      | Permissible Exposure Limits  |
| VOC      | Volatile organic compounds   |
| g/l      | Grams per liter  |
| mg/kg    | Milligrams per kilogram  |
| N/A      | Not applicable   |
| LD50     | Lethal dose at 50%   |
| LC50     | Lethal concentration at 50%  |
| EC50     | Half maximal effective concentration   |
| IC50     | Half maximal inhibitory concentration  |
| PBT      | Persistent bioaccumulative toxic chemical  |
| vPvB     | Very persistent and very bioaccumulative   |
| EEC      | European Economic Community  |
| ADR      | International Transport of Dangerous Goods by Road   |
| RID      | International Transport of Dangerous Goods by Rail   |
| UN       | United Nations   |
| IMDG     | International Maritime Dangerous Goods Code  |
| IATA     | International Air Transport Association  |
| MARPOL   | International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978  |
| IBC      | International Bulk Container   |
| RTI      | Respiratory Tract Irritation   |
| NE       | Narcotic Effects   |
| IMO      | International Maritime Organization  |
| Note P:  | The classification as a carcinogen or mutagen need not apply; the substance contains less than 0,1 % w/w benzene   |
| Note 10: | The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$ . |

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.

