



# SAFETY DATA SHEET

TEMASOLID EZ 80

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

### 1.1 Product identifier

Product name : TEMASOLID EZ 80  
Product description : A two-component polyurea paint.

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

Recommended use: Painting work

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

#### Manufacturer or Distributor

Tikkurila Oyj  
P.O. Box 53  
FI-01301 VANTAA  
FINLAND  
Telephone +358 20 191 2000

e-mail address of person responsible for this SDS : Tikkurila Oyj,  
Product Safety,  
e-mail: productsafety@tikkurila.com

### 1.4 Emergency telephone number

Telephone number : 112  
(24h)

#### Supplier or Manufacturer

Telephone number : Tikkurila Oyj  
+358 20 191 2000 (GMT +2) Mon-Fri 8-16

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Product definition : Mixture

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

Flam. Liq. 3, H226  
Skin Sens. 1, H317  
Aquatic Chronic 2, H411

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

### 2.2 Label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H226 - Flammable liquid and vapor.  
H317 - May cause an allergic skin reaction.  
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements

|                                    |  |
|------------------------------------|--|
| <b>General</b>                     | : Not applicable.  |
| <b>Prevention</b>                  | : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P261 - Avoid breathing mist/vapors/spray.<br>P280 - Wear protective gloves.<br>P284 - In case of inadequate ventilation wear respiratory protection.<br>P273 - Avoid release to the environment.  |
| <b>Response</b>                    | : P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.  |
| <b>Storage</b>                     | : Not applicable.  |
| <b>Disposal</b>                    | : Not applicable.  |
| <b>Hazardous ingredients</b>       | : tetraethylN,N'-(methylenedicyclohexane-4,1-diyl)bis-dl-aspartate<br>bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane<br>aspartic acid ester<br>diethyl fumarate<br>blocked cycloaliphatic diamine<br>reaction product of bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate and methyl-1,2,2,6,6-pentamethyl-4-piperidylsebacate |
| <b>Supplemental label elements</b> | : <b>Warning!</b> Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.<br>Contains small amounts of sensitizing substances: 4-morpholinecarbaldehyde, 3-aminopropyltriethoxysilane  |

### 2.3 Other hazards

Other hazards which do not result in classification : None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

| Product/ingredient name  | Identifiers   | %         | Classification<br>Regulation (EC) No.<br>1272/2008 [CLP]   | Notes |
|--|---|-----------|--|-------|
| tetraethylN,N'-(methylenedicyclohexane-4,1-diyl)bis-dl-aspartate     | REACH #: 01-0000017556-64<br>EC: 429-270-1<br>CAS: 136210-30-5<br>Index: 607-521-00-8 | ≥10 - ≤25 | Skin Sens. 1, H317<br>Aquatic Chronic 3, H412  | -     |
| bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane | REACH #: 01-0000015937-58<br>EC: 412-060-9<br>CAS: 136210-32-7<br>Index: 607-350-00-9 | ≤10       | Skin Sens. 1, H317<br>Aquatic Chronic 3, H412  | -     |
| trizinc bis(orthophosphate)  | REACH #: 01-2119485044-40<br>EC: 231-944-3<br>CAS: 7779-90-0<br>Index: 030-011-00-6   | ≤5        | Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1)   | -     |
| n-butyl acetate  | REACH #: 01-2119485493-29<br>EC: 204-658-1<br>CAS: 123-86-4<br>Index: 607-025-00-1    | ≤5        | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>EUH066  | -     |
| hydrocarbons, C9, aromatics  | REACH #: 01-2119455851-35<br>EC: 918-668-5<br>CAS: -                                  | ≤5        | Flam. Liq. 3, H226<br>STOT SE 3, H335<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411<br>EUH066 | H,P   |
| aspartic acid ester  | CAS: 152637-10-0  | ≤5        | Skin Sens. 1B, H317<br>Aquatic Chronic 3, H412   | -     |
| 2-methoxy-1-methylethyl acetate                                      | REACH #: 01-2119475791-29<br>EC: 203-603-9<br>CAS: 108-65-6<br>Index: 607-195-00-7    | ≤3        | Flam. Liq. 3, H226<br>STOT SE 3, H336  | -     |
| diethyl fumarate   | EC: 210-819-7<br>CAS: 623-91-6  | ≤3        | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>STOT SE 3, H335                                 | -     |

|   |  |      |  |   |
|---|--|------|--|---|
| (2-methoxymethylethoxy)propanol   | REACH #: 01-2119450011-60<br>EC: 252-104-2<br>CAS: 34590-94-8                      | ≤3   | Not classified.  | - |
| blocked cycloaliphatic diamine  | REACH #: 01-2119978283-28<br>EC: 259-393-4<br>CAS: 54914-37-3                      | <1   | Skin Corr. 1C, H314<br>Eye Irrit. 2, H319<br>Skin Sens. 1A, H317                     | - |
| reaction product of bis<br>(1,2,2,6,6-pentamethyl-4-piperidyl)<br>sebacate and methyl-<br>1,2,2,6,6-pentamethyl-<br>4-piperidylsebacate | REACH #: 01-2119491304-40<br>EC: 915-687-0<br>CAS: 41556-26-7/82919-37-7           | ≤1   | Skin Sens. 1A, H317<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1)  | - |
| 4-morpholinecarbaldehyde  | REACH #: 01-2119987993-12<br>EC: 224-518-3<br>CAS: 4394-85-8                       | <1   | Skin Sens. 1, H317   | - |
| 3-aminopropyltriethoxysilane  | REACH #: 01-2119480479-24<br>EC: 213-048-4<br>CAS: 919-30-2<br>Index: 612-108-00-0 | ≤0.3 | Acute Tox. 4, H302<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1B, H317 | - |
| salicylic acid  | REACH #: 01-2119486984-17<br>EC: 200-712-3<br>CAS: 69-72-7<br>Index: 607-732-00-5  | ≤0.3 | Acute Tox. 4, H302<br>Eye Dam. 1, H318<br>Repr. 2, H361d                             | - |
|   |  |      | <b>See Section 16 for the full text of the H statements declared above.</b>          |   |

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Notes, if applicable, refer to Notes given in Annex VI of 1272/2008/EC.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Show this safety data sheet or label to the doctor if possible.
- Eye contact** :  Check for and remove any contact lenses. Immediately flush eyes with plenty of lukewarm water, keeping eyelids open. Continue to rinse for at least 15 minutes. Get medical attention if symptoms occur.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.
- Skin contact** :  Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. Get medical attention if symptoms occur.
- Ingestion** : If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Remove to fresh air and keep at rest in a position comfortable for breathing. Do NOT induce vomiting.

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

May cause an allergic skin reaction.

Inhalation of vapours may cause dizziness, headache and nausea.

See Section 11 for more detailed information on health effects and symptoms.

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

None.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire. Recommended: Alcohol resistant foam, CO<sub>2</sub>, powders or water spray/mist.
- Unsuitable extinguishing media** : Do not use a direct water jet that could spread the fire.

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

- Hazards from the substance or mixture** : Flammable liquid and vapor. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
- Hazardous combustion products** : When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

### 5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. This material is hazardous to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures** : Shut off all ignition sources. No flares, smoking or flames in hazard area. Provide adequate ventilation. Avoid breathing vapor or mist. Avoid direct skin contact with product. See Section 8 for information on appropriate personal protective equipment.
- 6.2 Environmental precautions** : Hazardous to aquatic environment. Do not allow to enter drains, water courses or soil.
- 6.3 Methods and materials for containment and cleaning up** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Preferably clean with a detergent. Avoid using solvents.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

- 7.1 Precautions for safe handling** : Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. Isolate from sources of heat, sparks and open flame. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. No sparking tools should be used. Skin contact with the product and exposure to spray mist and vapor should be avoided. Avoid contact with skin and eyes. Avoid inhalation of dust from sanding. Wear appropriate respirator when ventilation is inadequate. See Section 8 for information on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled and stored. Wash hands before breaks and immediately after handling the product. Avoid release to the environment.

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

: Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Store and use away from heat, sparks, open flame or any other ignition source. No smoking. Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Recommended storage temperature is +5°C ...+25°C. Store in accordance with local regulations.

**7.3 Specific end use(s)**

: None.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limits**

| Product/ingredient name                             | Exposure limit values   |
|---|---|
| <input checked="" type="checkbox"/> n-butyl acetate | <b>EU OEL (Europe, 10/2019). Notes: list of indicative occupational exposure limit values</b><br>STEL: 150 ppm 15 minutes.<br>STEL: 723 mg/m <sup>3</sup> 15 minutes.<br>TWA: 241 mg/m <sup>3</sup> 8 hours.<br>TWA: 50 ppm 8 hours.                        |
| 2-methoxy-1-methylethyl acetate                     | <b>EU OEL (Europe, 10/2019). Absorbed through skin. Notes: list of indicative occupational exposure limit values</b><br>TWA: 50 ppm 8 hours.<br>TWA: 275 mg/m <sup>3</sup> 8 hours.<br>STEL: 100 ppm 15 minutes.<br>STEL: 550 mg/m <sup>3</sup> 15 minutes. |
| (2-methoxymethylethoxy)propanol                     | <b>EU OEL (Europe, 10/2019). Absorbed through skin. Notes: list of indicative occupational exposure limit values</b><br>TWA: 50 ppm 8 hours.<br>TWA: 308 mg/m <sup>3</sup> 8 hours.   |

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**DNELs/DMELs**

No DNELs/DMELs available.

**PNECs**

No PNECs available.

**8.2 Exposure controls****Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. Use explosion-proof ventilation equipment. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn (see Personal protection for both components). Comply with the health and safety at work laws.

**Individual protection measures**

**Eye/face protection** :  Use safety eyewear designed to protect against splash of liquids (EN166).

**Hand protection** : Always wear approved protective gloves against chemicals. Gloves should be replaced regularly and if there is any sign of damage to the glove material. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.  
Recommended glove material (EN374):  
< 1 hour (breakthrough time): nitrile rubber, butyl rubber  
> 8 hours (breakthrough time): laminated foil  
Not recommended: PVC or natural rubber (latex) gloves

|  |  |
|--|--|
| <b>Skin protection</b>                 | : Wear suitable protective clothing. This product is classified as flammable. If necessary, personnel should wear antistatic clothing made of natural fibers or of high-temperature-resistant synthetic fibers.  |
| <b>Respiratory protection</b>          | : If ventilation is inadequate, use respirator that will protect against organic vapor and dust/mist. During spray-application use respirators with combination filter A/P3 (EN405:2001). Wear a half mask or full face respirator with gas and vapor filter A and dust filter P2 during sanding (EN140:1998, EN405:2001). During continuous and long-term work the use of motor-driven or air-fed respirators is recommended (EN12941:1998). Be sure to use an approved/certified respirator or equivalent. Check that mask fits tightly and change filter regularly. |
| <b>Environmental exposure controls</b> | : For information regarding environmental protection measures, please refer to section 13 for waste handling, section 7 for handling and storage and section 1.2 for relevant identified uses of the substance or mixture and uses advised against.  |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|   |  |
|---|--|
| <b>Physical state</b>                               | : Liquid.  |
| <b>Color</b>  | : Coloured   |
| <b>Odor</b>   | : Strong.  |
| <b>Odor threshold</b>                               | : Not relevant for the hazard assessment of the product.         |
| <b>pH</b>   | : Not relevant for the hazard assessment of the product.         |
| <b>Melting point/freezing point</b>                 | : <-90°C (n-butyl acetate)                                       |
| <b>Initial boiling point and boiling range</b>      | : 126°C (n-butyl acetate)  |
| <b>Flash point</b>                                  | : 23°C (n-butyl acetate)   |
| <b>Evaporation rate</b>                             | : 1 (butyl acetate = 1) (n-butyl acetate)                        |
| <b>Flammability (solid, gas)</b>                    | : Not applicable. Product is a liquid.                           |
| <b>Upper/lower flammability or explosive limits</b> | : Lower: 1.4% (n-butyl acetate)<br>Upper: 7.6% (n-butyl acetate) |
| <b>Vapor pressure</b>                               | : 1.5 kPa [room temperature] (n-butyl acetate)                   |
| <b>Vapor density</b>                                | : 4 (n-butyl acetate)  |
| <b>Density</b>                                      | : 1.6 g/cm <sup>3</sup>  |
| <b>Solubility(ies)</b>                              | : insoluble in water.  |
| <b>Partition coefficient: n-octanol/ water</b>      | : Not available.   |
| <b>Auto-ignition temperature</b>                    | : 415°C (n-butyl acetate)  |
| <b>Decomposition temperature</b>                    | : Not relevant for the hazard assessment of the product.         |
| <b>Viscosity</b>                                    | : Not relevant for the hazard assessment of the product.         |
| <b>Explosive properties</b>                         | : No explosive ingredients present.                              |
| <b>Oxidizing properties</b>                         | : No oxidizing ingredients present.                              |

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

|  |   |
|--|---|
| <b>10.1 Reactivity</b>                         | : See Section 10.5.   |
| <b>10.2 Chemical stability</b>                 | : Stable under recommended storage and handling conditions (see Section 7).   |
| <b>10.3 Possibility of hazardous reactions</b> | : May present an explosion hazard when material is suspended in air in confined areas or equipment and subjected to spark, heat or flame. |



**10.4 Conditions to avoid** : Avoid extreme heat and freezing. Avoid all possible sources of ignition (spark or flame).

**10.5 Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions:  
oxidizing agents  
strong acids  
strong alkalis

**10.6 Hazardous decomposition products** : When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

There is no testdata available on the product itself.

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting.

#### Acute toxicity

| Product/ingredient name      | Result      | Species | Dose       | Exposure |
|------------------------------|-------------|---------|------------|----------|
| diethyl fumarate             | LD50 Oral   | Rat     | 1780 mg/kg | -        |
| 3-aminopropyltriethoxysilane | LD50 Dermal | Rabbit  | 4.29 g/kg  | -        |
|                              | LD50 Oral   | Rat     | 1.57 g/kg  | -        |
| salicylic acid               | LD50 Oral   | Rat     | 400 mg/kg  | -        |

Not classified.

#### Irritation/Corrosion

| Product/ingredient name      | Result                 | Species | Score | Exposure        | Observation |
|------------------------------|------------------------|---------|-------|-----------------|-------------|
| 3-aminopropyltriethoxysilane | Eyes - Mild irritant   | Rabbit  | -     | 100 mg          | -           |
|                              | Eyes - Severe irritant | Rabbit  | -     | 24 hours 750 ug | -           |
|                              | Skin - Severe irritant | Rabbit  | -     | 24 hours 5 mg   | -           |

Not classified.

#### Sensitization

May cause an allergic skin reaction.

Contains small amounts of sensitizing substances:

4-morpholinecarbaldehyde

#### Mutagenicity

Not classified.

#### Carcinogenicity

Not classified.

#### Reproductive toxicity

Not classified.

#### Teratogenicity

Not classified.

#### Specific target organ toxicity (single exposure)

Not classified.

#### Specific target organ toxicity (repeated exposure)

Not classified.

#### Aspiration hazard

Not classified.

## SECTION 12: Ecological information

Ecological testing has not been conducted on this product.  
Do not allow to enter drains, water courses or soil.

The product is classified as environmentally hazardous according to Regulation (EC) 1272/2008.  
Toxic to aquatic life with long lasting effects.

### 12.1 Toxicity

| Product/ingredient name   | Result                 | Species                    | Exposure |
|---|------------------------|----------------------------|----------|
| tetraethylN,N'-(methylenedicyclohexane-4,1-diyl)bis-dl-aspartate  | LC50 66 mg/l           | Fish                       | 96 hours |
|   | Acute EC50 88.6 mg/l   | Daphnia                    | 48 hours |
|   | Acute EC50 3.11 mg/l   | Micro-organism             | 3 hours  |
|   | Chronic NOEC 0.01 mg/l | Daphnia                    | 21 days  |
| bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane  | LC50 66 mg/l           | Fish                       | 96 hours |
|   | Acute EC50 88.6 mg/l   | Daphnia                    | 48 hours |
|   | Acute EC50 3.11 mg/l   | Micro-organism             | 3 hours  |
|   | Chronic NOEC 0.01 mg/l | Daphnia                    | 21 days  |
| trizinc bis(orthophosphate)   | Acute EC50 0.8 mg/l    | Algae                      | 72 hours |
| hydrocarbons, C9, aromatics   | LC50 1 mg/l            | Fish                       | 96 hours |
| reaction product of bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate and methyl-1,2,2,6,6-pentamethyl-4-piperidylsebacate | LC50 0.9 mg/l          | Fish - Brachydanio rerio   | 96 hours |
|   | LC50 0.97 mg/l         | Fish - Lepomis macrochirus | 96 hours |

### 12.2 Persistence and degradability

| Product/ingredient name     | Test              | Result         | Dose             | Inoculum |
|-----------------------------|-------------------|----------------|------------------|----------|
| hydrocarbons, C9, aromatics | -                 | 78 % - 28 days | -                | -        |
| Product/ingredient name     | Aquatic half-life | Photolysis     | Biodegradability |          |
| hydrocarbons, C9, aromatics | -                 | -              | Readily          |          |

### 12.3 Bioaccumulative potential



| Product/ingredient name   | LogP <sub>ow</sub> | Bioconcentration factor [BCF] | Potential |
|---|--------------------|-------------------------------|-----------|
| salicylic acid  | 2.21 to 2.26       | -                             | low       |
| 3-aminopropyltriethoxysilane  | 1.7                | 3.4                           | low       |
| 4-morpholinecarbaldehyde  | -                  | <1.9                          | low       |
| (2-methoxymethylethoxy) propanol                                      | 0.004              | -                             | low       |
| 2-methoxy-1-methylethyl acetate                                       | 1.2                | -                             | low       |
| n-butyl acetate   | 2.3                | -                             | low       |
| trizinc bis(orthophosphate)   | -                  | 60960                         | high      |
| bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl) methane | 5.99               | 0.25                          | low       |
| tetraethylN,N'-(methylenedicyclohexane-4,1-diyl)bis-dl-aspartate      | 5.16               | 0.25                          | low       |

#### 12.4 Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Mobility : Not available.

#### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects : Not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Methods of disposal : Gather residues into waste containers. Liquid residue and cleaning liquids are hazardous waste and must not be emptied into drains or sewage system, but handled in accordance with national regulations. Product residues should be left at special companies which have permission for gathering this kind of wastes.

#### European waste catalogue (EWC)

| Waste code | Waste designation   |
|------------|---|
| 08 01 11*  | waste paint and varnish containing organic solvents or other hazardous substances |

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

#### Packaging

Methods of disposal : Empty packaging should be disposed of in accordance with national regulations.

Special precautions : None.

## SECTION 14: Transport information

|                                 | ADR/RID                                    | IMDG                                       | IATA   |
|---------------------------------|--|--|--|
| 14.1 UN number                  | <input checked="" type="checkbox"/> UN1263 | <input checked="" type="checkbox"/> UN1263 | <input checked="" type="checkbox"/> UN1263                         |
| 14.2 UN proper shipping name    | <input checked="" type="checkbox"/> PAINT  | <input checked="" type="checkbox"/> PAINT  | <input checked="" type="checkbox"/> Paint                          |
| 14.3 Transport hazard class(es) | <input checked="" type="checkbox"/>        | <input checked="" type="checkbox"/>        | <input checked="" type="checkbox"/>                                |
| 14.4 Packing group              | III  | III  | III  |
| 14.5 Environmental hazards      | Yes.                                       | Yes.                                       | Yes. The environmentally hazardous substance mark is not required. |

### Additional information

- ADR/RID** :  The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.  
**Hazard identification number** 30  
**Limited quantity** 5 L  
**Special provisions** 163, 650, 367  
**Tunnel code** (D/E)
- IMDG** :  The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.  
**Emergency schedules** F-E, \_S-E\_  
**Special provisions** 163, 223, 367, 955
- IATA** :  The environmentally hazardous substance mark may appear if required by other transportation regulations.  
**Quantity limitation** Passenger and Cargo Aircraft: 60 L.. Packaging instructions: 355. Cargo Aircraft Only: 220 L.. Packaging instructions: 366. Limited Quantities - Passenger Aircraft: 10 L.. Packaging instructions: Y344.  
**Special provisions** A3, A72, A192

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Other EU regulations

Europe inventory :  At least one component is not listed.

**15.2 Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

### Abbreviations and acronyms

ATE = Acute Toxicity Estimate  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number  
 vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

|  | Classification   | Justification   |
|--|--|---|
|  | Flam. Liq. 3, H226<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411  | On basis of test data<br>Calculation method<br>Calculation method   |
| Full text of abbreviated H statements  | H226 Flammable liquid and vapor.<br>H302 Harmful if swallowed.<br>H304 May be fatal if swallowed and enters airways.<br>H314 Causes severe skin burns and eye damage.<br>H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H318 Causes serious eye damage.<br>H319 Causes serious eye irritation.<br>H335 May cause respiratory irritation.<br>H336 May cause drowsiness or dizziness.<br>H361d Suspected of damaging the unborn child.<br>H400 Very toxic to aquatic life.<br>H410 Very toxic to aquatic life with long lasting effects.<br>H411 Toxic to aquatic life with long lasting effects.<br>H412 Harmful to aquatic life with long lasting effects.<br>EUH066 Repeated exposure may cause skin dryness or cracking. |   |
| Full text of classifications [CLP/GHS] | Acute Tox. 4<br>Aquatic Acute 1<br>Aquatic Chronic 1<br>Aquatic Chronic 2<br>Aquatic Chronic 3<br>Asp. Tox. 1<br>Eye Dam. 1<br>Eye Irrit. 2<br>Flam. Liq. 3<br>Repr. 2<br>Skin Corr. 1B<br>Skin Corr. 1C<br>Skin Irrit. 2<br>Skin Sens. 1<br>Skin Sens. 1A<br>Skin Sens. 1B<br>STOT SE 3   | ACUTE TOXICITY - Category 4<br>AQUATIC HAZARD (ACUTE) - Category 1<br>AQUATIC HAZARD (LONG-TERM) - Category 1<br>AQUATIC HAZARD (LONG-TERM) - Category 2<br>AQUATIC HAZARD (LONG-TERM) - Category 3<br>ASPIRATION HAZARD - Category 1<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2<br>FLAMMABLE LIQUIDS - Category 3<br>TOXIC TO REPRODUCTION - Category 2<br>SKIN CORROSION/IRRITATION - Category 1B<br>SKIN CORROSION/IRRITATION - Category 1C<br>SKIN CORROSION/IRRITATION - Category 2<br>SKIN SENSITIZATION - Category 1<br>SKIN SENSITIZATION - Category 1A<br>SKIN SENSITIZATION - Category 1B<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3 |
| Date of issue/ Date of revision        | : 7/30/2020  |   |
| Date of previous issue                 | : 8/8/2019   |   |
| Version                                | : 4  |   |
| <b>Notice to reader</b>                |  |   |

This Safety Data Sheet is prepared in accordance with Annex II (EU) No 830/2015 to Regulation (EC) No 1907/2006 (REACH). The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.