



## SAFETY DATA SHEET DEKGUARD PU HARDENER

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

#### 1.1. Product identifier

**Product name** DEKGUARD PU HARDENER

**Product number** A1376003AE1

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

**Identified uses** Hardener component of two-part protective coating.

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

**Supplier** Al Gurg Fosroc LLC  
PO Box 657  
Dubai  
United Arab Emirates  
+ 971 4 2858606

#### 1.4. Emergency telephone number

**Emergency telephone** +97142039699 (08:00 to 16:30) // +971506258232 (16:30 to 08:00)GMT+4

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335 STOT RE 2 - H373

**Environmental hazards** Not Classified

**Human health** Vapours and spray/mists in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. The product is irritating to eyes and skin.

**Environmental** The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

**Physicochemical** The product is flammable. Heating may generate flammable vapours.

#### 2.2. Label elements

##### Pictogram



**Signal word**

**Warning**

## DEKGUARD PU HARDENER

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazard statements</b>                      | <p>H226 Flammable liquid and vapour.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Precautionary statements</b>               | <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Contains</b>                               | <p>HEXAMETHYLENE-1,6-DIISOCYANATE HOMOPOLYMER, XYLENE, ETHYLBENZENE, HEXAMETHYLENE-DI-ISOCYANATE</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Supplementary precautionary statements</b> | <p>P233 Keep container tightly closed.</p> <p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use non-sparking tools.</p> <p>P243 Take action to prevent static discharges.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P284 [In case of inadequate ventilation] wear respiratory protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> |

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

|                                                                                                            |                       |
|------------------------------------------------------------------------------------------------------------|-----------------------|
| <p><b>HEXAMETHYLENE-1,6-DIISOCYANATE HOMOPOLYMER</b></p> <p>CAS number: 28182-81-2</p>                     | <p><b>60-100%</b></p> |
| <p><b>Classification</b></p> <p>Acute Tox. 4 - H332</p> <p>Skin Sens. 1 - H317</p> <p>STOT SE 3 - H335</p> |                       |

## DEKGUARD PU HARDENER

|                                       |                      |  |        |
|---------------------------------------|----------------------|--|--------|
| 2-METHOXY-1-METHYLETHYL ACETATE       |                      |  | 10-30% |
| CAS number: 108-65-6                  | EC number: 203-603-9 |  |        |
| Classification<br>Flam. Liq. 3 - H226 |                      |  |        |

|                                                                                                                                                                                                  |                      |                                                                      |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------|--------|
| XYLENE                                                                                                                                                                                           |                      |                                                                      | 10-30% |
| CAS number: 1330-20-7                                                                                                                                                                            | EC number: 215-535-7 | REACH registration number: 01-2119488216-32-0000                     |        |
| Classification<br>Flam. Liq. 3 - H226<br>Acute Tox. 4 - H312<br>Acute Tox. 4 - H332<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319<br>STOT SE 3 - H335<br>STOT RE 2 - H373<br>Asp. Tox. 1 - H304 |                      | Classification (67/548/EEC or 1999/45/EC)<br>Xn;R20/21. Xi;R38. R10. |        |

|                                                                                                        |                      |  |      |
|--------------------------------------------------------------------------------------------------------|----------------------|--|------|
| ETHYLBENZENE                                                                                           |                      |  | 1-5% |
| CAS number: 100-41-4                                                                                   | EC number: 202-849-4 |  |      |
| Classification<br>Flam. Liq. 2 - H225<br>Acute Tox. 4 - H332<br>STOT RE 2 - H373<br>Asp. Tox. 1 - H304 |                      |  |      |

|                                                                                                                                                         |                      |                                                  |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------|-----|
| HEXAMETHYLENE-DI-ISOCYANATE                                                                                                                             |                      |                                                  | <1% |
| CAS number: 822-06-0                                                                                                                                    | EC number: 212-485-8 | REACH registration number: 01-2119457571-37-0000 |     |
| Classification<br>Acute Tox. 3 - H331<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319<br>Resp. Sens. 1 - H334<br>Skin Sens. 1 - H317<br>STOT SE 3 - H335 |                      |                                                  |     |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments**      The data shown are in accordance with the latest EC Directives.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General information**      Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.

## DEKGUARD PU HARDENER

|                     |                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Place unconscious person on their side in the recovery position and ensure breathing can take place. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.                                                                                                 |
| <b>Ingestion</b>    | Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel. |
| <b>Skin contact</b> | Immediately remove contaminated clothing. Rinse immediately with plenty of water. Remove contaminated clothing.                                                                                                                                                                                                                                                     |
| <b>Eye contact</b>  | Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.                                                                                                                                                                                                   |

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

|                            |                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General information</b> | Get medical attention promptly if symptoms occur after washing.                                                                                                                 |
| <b>Inhalation</b>          | Harmful by inhalation. May cause respiratory irritation. Symptoms following overexposure to vapour may include the following: May cause coughing and difficulties in breathing. |
| <b>Ingestion</b>           | Gastrointestinal symptoms, including upset stomach.                                                                                                                             |
| <b>Skin contact</b>        | Irritating to skin. May cause an allergic skin reaction.                                                                                                                        |
| <b>Eye contact</b>         | Causes serious eye irritation.                                                                                                                                                  |

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

|                             |                        |
|-----------------------------|------------------------|
| <b>Notes for the doctor</b> | Treat symptomatically. |
|-----------------------------|------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                     |                                                                                                                                       |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b> | Extinguish with the following media: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|

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

|                         |                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Specific hazards</b> | Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. |
|-------------------------|------------------------------------------------------------------------------------------------------------|

### 5.3. Advice for firefighters

|                                                      |                                                                                                                                                                                      |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protective actions during firefighting</b>        | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Cool containers exposed to flames with water until well after the fire is out. |
| <b>Special protective equipment for firefighters</b> | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.                                                                                |

## SECTION 6: Accidental release measures

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

|                             |                                                                               |
|-----------------------------|-------------------------------------------------------------------------------|
| <b>Personal precautions</b> | Wear protective clothing as described in Section 8 of this safety data sheet. |
|-----------------------------|-------------------------------------------------------------------------------|

### 6.2. Environmental precautions

|                                  |                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental precautions</b> | Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

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

## DEKGUARD PU HARDENER

**Methods for cleaning up** Keep combustible materials away from spillage. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

**Reference to other sections** See Section 12 for additional information on ecological hazards.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Avoid spilling. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Avoid contact with skin and eyes.

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

**Storage precautions** Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Avoid contact with oxidising agents.

**Storage class** Flammable liquid storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### 2-METHOXY-1-METHYLETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 274 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 548 mg/m<sup>3</sup>

Sk

#### XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m<sup>3</sup>

Sk

#### ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m<sup>3</sup>

Sk

#### HEXAMETHYLENE-DI-ISOCYANATE

Long-term exposure limit (8-hour TWA): WEL 0.02 mg/m<sup>3</sup>(Sen)

Short-term exposure limit (15-minute): WEL 0.07 mg/m<sup>3</sup>(Sen)

as NCO

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

Sk = Can be absorbed through the skin.

**Ingredient comments** WEL = Workplace Exposure Limits

### 2-METHOXY-1-METHYLETHYL ACETATE (CAS: 108-65-6)

## DEKGUARD PU HARDENER

|             |                                                                                                                                                                                                                                                                                                                |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DNEL</b> | Workers - Inhalation; Long term systemic effects: 275 mg/m <sup>3</sup><br>Workers - Dermal; Long term systemic effects: 153.5 mg/kg bw/day<br>General population - Inhalation; Long term systemic effects: 33 mg/m <sup>3</sup><br>General population - Dermal; Long term systemic effects: 54.8 mg/kg bw/day |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|             |                                                                      |
|-------------|----------------------------------------------------------------------|
| <b>PNEC</b> | - Aqua, Fresh water; 0.635 mg/l<br>- Aqua, Marine water; 0.0635 mg/l |
|-------------|----------------------------------------------------------------------|

### ETHYLBENZENE (CAS: 100-41-4)

|             |                                                                                                                                          |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DNEL</b> | Workers - Inhalation; Long term systemic effects: 77 mg/m <sup>3</sup><br>Workers - Dermal; Long term systemic effects: 180 mg/kg bw/day |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------|

|             |                                                      |
|-------------|------------------------------------------------------|
| <b>PNEC</b> | - Fresh water; 0.1 mg/l<br>- Marine water; 0.01 mg/l |
|-------------|------------------------------------------------------|

### HEXAMETHYLENE-DI-ISOCYANATE (CAS: 822-06-0)

|             |                                                                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DNEL</b> | Workers - Inhalation; Short term systemic effects: 0.07 mg/m <sup>3</sup><br>Workers - Inhalation; Long term systemic effects: 0.035 mg/m <sup>3</sup><br>Workers - Inhalation; Long term local effects: 0.035 mg/m <sup>3</sup> |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|             |                                                                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PNEC</b> | - Fresh water; >0.0774 mg/l<br>- Marine water; >0.00774 mg/l<br>- Sediment (Freshwater); >0.01334 mg/kg<br>- Sediment (Marinewater); >0.001334 mg/kg<br>- Soil; >0.0026 mg/kg<br>- STP; 8.42 mg/l |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. All handling should only take place in well-ventilated areas.

### Eye/face protection

Wear chemical splash goggles.

### Hand protection

Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Rubber (natural, latex).

### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

### Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

### Respiratory protection

Wear a respirator fitted with the following cartridge: Organic vapour filter. Gas filter, type A2.

## SECTION 9: Physical and Chemical Properties

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

|                   |         |
|-------------------|---------|
| <b>Appearance</b> | Liquid. |
|-------------------|---------|

## DEKGUARD PU HARDENER

|                                              |                     |
|----------------------------------------------|---------------------|
| Colour                                       | Yellow. or Brown.   |
| Odour                                        | Aromatic.           |
| Odour threshold                              | Not available.      |
| pH                                           | Not available.      |
| Melting point                                | Not available.      |
| Initial boiling point and range              | 125°C @             |
| Flash point                                  | 34°C                |
| Evaporation rate                             | Not available.      |
| Evaporation factor                           | Not determined.     |
| Flammability (solid, gas)                    | Not available.      |
| Upper/lower flammability or explosive limits | Not available.      |
| Other flammability                           | Not available.      |
| Vapour pressure                              | Not available.      |
| Vapour density                               | Not available.      |
| Relative density                             | 1.07 @ 20°C         |
| Bulk density                                 | Not available.      |
| Solubility(ies)                              | Insoluble in water. |
| Partition coefficient                        | Not available.      |
| Auto-ignition temperature                    | 400°C               |
| Decomposition Temperature                    | Not available.      |
| Viscosity                                    | Not available.      |
| Explosive properties                         | Not available.      |
| Explosive under the influence of a flame     | Not available.      |
| Oxidising properties                         | Not determined.     |

### 9.2. Other information

|                   |                            |
|-------------------|----------------------------|
| Other information | No additional information. |
|-------------------|----------------------------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|            |                             |
|------------|-----------------------------|
| Reactivity | Stable if used as directed. |
|------------|-----------------------------|

### 10.2. Chemical stability

|           |                                   |
|-----------|-----------------------------------|
| Stability | No particular stability concerns. |
|-----------|-----------------------------------|

### 10.3. Possibility of hazardous reactions

|                                    |                           |
|------------------------------------|---------------------------|
| Possibility of hazardous reactions | The product is flammable. |
|------------------------------------|---------------------------|

### 10.4. Conditions to avoid

## DEKGUARD PU HARDENER

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidising agents.

### 10.5. Incompatible materials

**Materials to avoid** Keep away from oxidising materials, heat and flames.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 11,000.0

#### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 5,164.7

**ATE inhalation (vapours mg/l)** 12.43

**ATE inhalation (dusts/mists mg/l)** 1.72

**General information** Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation** Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Harmful by inhalation.

**Ingestion** Gastrointestinal symptoms, including upset stomach.

**Skin contact** Product has a defatting effect on skin. May cause allergic contact eczema. Irritating to skin. Harmful in contact with skin. May cause sensitisation by skin contact.

**Eye contact** Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

### Toxicological information on ingredients.

#### HEXAMETHYLENE-1,6-DIISOCYANATE HOMOPOLYMER

##### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 4,500.0

**ATE inhalation (vapours mg/l)** 11.0

**ATE inhalation (dusts/mists mg/l)** 1.5

#### 2-METHOXY-1-METHYLETHYL ACETATE

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 8,532.0

**Species** Rat

##### Acute toxicity - dermal



## DEKGUARD PU HARDENER

Acute toxicity dermal (LD<sub>50</sub> 5,000.0 mg/kg)

Species Rabbit

### ETHYLBENZENE

#### Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

### HEXAMETHYLENE-DI-ISOCYANATE

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> 960.0 mg/kg)

Species Rat

#### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 0.124

Species Rat

ATE inhalation (vapours mg/l) 3.0

## SECTION 12: Ecological Information

Ecotoxicity Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

### 12.1. Toxicity

Toxicity The product contains a substance which is toxic to aquatic organisms.

### Ecological information on ingredients.

#### 2-METHOXY-1-METHYLETHYL ACETATE

#### Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 100-180 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 500 mg/l, Daphnia magna

### 12.2. Persistence and degradability

Persistence and degradability No data available.

### Ecological information on ingredients.

#### HEXAMETHYLENE-DI-ISOCYANATE

Stability (hydrolysis) - Half-life : 0.23 hour @ 23°C

### 12.3. Bioaccumulative potential

Partition coefficient Not available.

### Ecological information on ingredients.

# DEKGUARD PU HARDENER

## HEXAMETHYLENE-DI-ISOCYANATE

**Bioaccumulative potential** The product is not bioaccumulating.

### 12.4. Mobility in soil

**Mobility** The product is insoluble in water. The product reacts with water to form a solid, insoluble reaction product which is not biodegradable.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** Not available.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information** Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor.

## **SECTION 14: Transport information**

### 14.1. UN number

|                  |      |
|------------------|------|
| UN No. (ADR/RID) | 1993 |
| UN No. (IMDG)    | 1993 |
| UN No. (ICAO)    | 1993 |
| UN No. (ADN)     | 1993 |

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** FLAMMABLE LIQUID, N.O.S. (CONTAINS 2-Methoxy-1-Methylethyl Acetate, XYLENE)

**Proper shipping name (IMDG)** FLAMMABLE LIQUID, N.O.S. (CONTAINS 2-Methoxy-1-Methylethyl Acetate, XYLENE)

**Proper shipping name (ICAO)** FLAMMABLE LIQUID, N.O.S. (CONTAINS 2-Methoxy-1-Methylethyl Acetate, XYLENE)

**Proper shipping name (ADN)** FLAMMABLE LIQUID, N.O.S. (CONTAINS 2-Methoxy-1-Methylethyl Acetate, XYLENE)

### 14.3. Transport hazard class(es)

|                             |    |
|-----------------------------|----|
| ADR/RID class               | 3  |
| ADR/RID classification code | F1 |
| ADR/RID label               | 3  |
| IMDG class                  | 3  |
| ICAO class/division         | 3  |
| ADN class                   | 3  |

## DEKGUARD PU HARDENER

### Transport labels



#### 14.4. Packing group

|                       |     |
|-----------------------|-----|
| ADR/RID packing group | III |
| IMDG packing group    | III |
| ADN packing group     | III |
| ICAO packing group    | III |

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

#### 14.6. Special precautions for user

|                                        |          |
|----------------------------------------|----------|
| EmS                                    | F-E, S-E |
| ADR transport category                 | 3        |
| Emergency Action Code                  | •3Y      |
| Hazard Identification Number (ADR/RID) | 30       |
| Tunnel restriction code                | (D/E)    |

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

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

|                |                                                                                                                                                                                                                                              |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU legislation | Commission Regulation (EU) No 453/2010 of 20 May 2010.<br>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 15.2. Chemical safety assessment

Not available.

### SECTION 16: Other information

|                     |                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------|
| General information | The user must be instructed in the proper work procedure and be familiar with the contents of these instructions. |
| Revision date       | 23/07/2018                                                                                                        |
| Revision            | 4                                                                                                                 |
| Supersedes date     | 26/11/2015                                                                                                        |

## DEKGUARD PU HARDENER

### Hazard statements in full

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.