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**SAFETY DATA SHEET**

This Safety Data Sheet is provided in compliance with the EC Regulation 1907/2006-2015/830

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

## 1.1 Product identifier

- Product Name: DonProof PU-H50 - Base
- Product Part Number: C05/08/05/163B

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

- Use of the substance/mixture: Spray applied, polyurea/polyurethane hybrid membrane for waterproofing and protection

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

- Name of Supplier: DCP Lebanon
- Address of Supplier: Port, Jamarek Street (Face Port Pharmacy), Rbeiz Bldg Beirut, Lebanon
- Telephone: +961 1 444 562
- Fax: +961 1 444 563
- Email: info.lebanon@dcp-int.com

## 1.4 Emergency telephone number

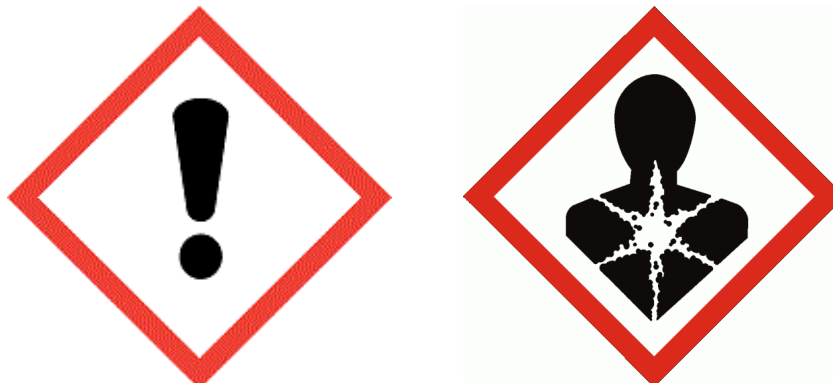
- Emergency Telephone: +961 1 444 562 (Available during office hours)
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**SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

- CLP: Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1B, Carc. 2, STOT SE 3, STOT RE 2

## 2.2 Label elements



- Signal Word: Danger

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**SECTION 2: Hazards identification (....)**

- Hazard statements
  - H315 - Causes skin irritation.
  - H319 - Causes serious eye irritation.
  - H317 - May cause an allergic skin reaction.
  - H332 - Harmful if inhaled.
  - H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - H335 - May cause respiratory irritation.
  - H351 - Suspected of causing cancer.
  - H373 - May cause damage to organs through prolonged or repeated exposure.
- Precautionary statements
  - P201 - Obtain special instructions before use.
  - P202 - Do not handle until all safety precautions have been read and understood.
  - P261 - Avoid breathing mist/vapours/spray.
  - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
  - P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  - P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER.

**2.3 Other hazards**

- No other hazards.

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**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

- Reaction mass: 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate /methylene diphenyl diisocyanate
  - CAS Number: 26447-40-5
  - EC Number: 247-714-0
  - Concentration: 5 - 10%
  - Categories: Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1B, Carc. 2, STOT SE 3, STOT RE 2
  - H Statements: H332, H315, H319, H334, H317, H351, H335, H373
- diphenylmethane-4,4'-diisocyanate;
  - CAS Number: 101-68-8
  - EC Number: 202-966-0
  - Concentration: 20 - 25%
  - Categories: Acute Tox. 4, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Resp. Sens. 1, Skin Sens. 1, Carc. 2, STOT RE 2
  - H Statements: H332, H319, H335, H315, H334, H317, H351, H373

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### SECTION 3: Composition/information on ingredients (....)

- Poly(oxy(methyl-1,2-ethanediyl)), alpha-hydro-omega-hydroxy-, polymer with 1,1-methylenebis(isocyanatobenzene)
    - CAS Number: 39420-98-9
    - EC Number: Polymer
    - Concentration: 50 - 75%
    - Categories: Acute Tox. 4, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT RE 2, Carc. 2
    - H Statements: H332, H319, H335, H315, H334, H317, H373, H351
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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- Take off contaminated clothing.
- Wash contaminated clothing before reuse.
- Inhalation
  - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  - Get medical advice/attention if you feel unwell.
- Contact with skin
  - Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if irritation persists.
- Contact with eyes
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - Protect uninjured eye.
  - Get immediate medical advice/attention.
- Ingestion
  - Do NOT induce vomiting.
  - Get immediate medical advice/attention.

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

- Irritating to eyes and skin.
- Eye damages.
- Erythema.

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

- In case of accident or unwellness, get immediate medical advice/attention.
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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Water, carbon dioxide

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

- Do not inhale explosion and combustion gases

### 5.3 Advice for firefighters

- Wear self contained breathing apparatus and full protective clothing
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## **SECTION 6: Accidental release measures**

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

- Wear protective clothing as per section 8
- Wear breathing apparatus if exposed to vapours/dusts/aerosols
- Provide adequate ventilation
- Use appropriate respiratory protection

### 6.2 Environmental precautions

- Avoid release to the environment.

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

- Collect spillage.
- Retain contaminated washing water and dispose it.

### 6.4 Reference to other sections

- See Section 8 and 13
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## **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

- Avoid contact with skin and eyes, inhalation of vapours and mists.
- Exercise the greatest care when handling or opening the container.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wash skin thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Wash contaminated clothing before reuse.
- Do not eat, drink or smoke when using this product.
- Ensure adequate ventilation
- Use good personal hygiene practices

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

- Keep away from food, drink and animal feeding stuffs
- Store in original, tightly closed containers
- Adequately ventilated premises

### 7.3 Specific end use(s)

- No information available
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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- diphenylmethane-4,4'-diisocyanate

DNEL

Industry - Inhalation; Long term systemic effects: 0.05 mg/m<sup>3</sup>

Industry - Inhalation; Short term systemic effects: 0.1 mg/m<sup>3</sup>

Industry - Inhalation; Long term local effects: 0.025 mg/m<sup>3</sup>

Industry - Dermal; Short term local effects: 17.2 mg/cm<sup>2</sup>

### 8.2 Exposure controls



- Wear protective gloves/protective clothing/eye protection/face protection.
- Wear goggles giving complete eye protection. Goggles comply with EN ISO 166 are recommended. Don't use eye lens.
- Wear protective gloves. Gloves comply with EN ISO 374 are recommended. Break through times can vary depending on thickness, use and source. Change gloves regularly.
- Provide eyewash station. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Liquid
- Colour: Light yellow
- Odour: Characteristic
- Boiling Point/Range: 300°C
- Flashpoint: 100°C
- Vapour pressure: Not applicable
- pH: Not applicable
- Specific Gravity: 1.11 ± 0.03
- Solubility in water: Not applicable

### 9.2 Other information

- No information available

**SECTION 10: Stability and reactivity**

## 10.1 Reactivity

- Stable under normal conditions

## 10.2 Chemical stability

- Considered stable under normal conditions

## 10.3 Possibility of hazardous reactions

- None

## 10.4 Conditions to avoid

- Stable under normal conditions

## 10.5 Incompatible materials

- None in particular

## 10.6 Hazardous decomposition products

- None
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**SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

Skin sensitisation: Sensitising.

Inhalation: No specific health hazards known.

Ingestion: No harmful effects expected from quantities likely to be ingested by accident.

Skin: contact Irritating to skin. May cause sensitisation by skin contact.

Eye: contact May cause severe eye irritation.

Acute and chronic health hazards: Irritating to skin. Irritating to eyes.

Route of exposure: Skin and/or eye contact.

Medical symptoms: Skin irritation.

Medical considerations: Skin disorders and allergies.

- Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl) phenyl isocyanate / methylene diphenyl diisocyanate

LD50 (oral,rat): 10000 mg/kg

- diphenylmethane-4,4'- diisocyanate

LD50 (oral,rat): 2000 mg/kg

- Poly(oxy(methyl-1,2- ethanediyl)), alphahydro-omega-hydroxy-, polymer with 1,1-methylenebis (isocyanatobenzene)

LD50 (oral,rat): 10000 mg/kg

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**SECTION 12: Ecological information**

## 12.1 Toxicity

- Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate

EC50 (algae): 1640 mg/l (72 hr)

EC50 (daphnia): 1000 mg/l (24 hr)

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**SECTION 12: Ecological information (....)**

LC50 (fish): 1000 mg/l (96 hr)

- diphenylmethane-4,4'-diisocyanate  
EC50 (daphnia): 1000 mg/l (24 hr)  
LC50 (fish): 1000 mg/l (96 hr)

**12.2 Persistence and degradability**

- Not readily biodegradable

**12.3 Bioaccumulative potential**

- No information available

**12.4 Mobility in soil**

- No information available

**12.5 Results of PBT and vPvB assessment**

- No information available

**12.6 Other adverse effects**

- No information available
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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

- Avoid release to the environment. Refer to special instructions/Safety data sheets
  - Disposal should be in accordance with local, state or national legislation
  - Dispose of contents/container to an authorised waste collection point
  - Do not empty into drains - dispose of this material and container in a safe way
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**SECTION 14: Transport information****14.1 Air (ICAO/IATA)**

- Not classified as hazardous for transport

**14.2 Road/Rail (ADR/RID)**

- Not classified as hazardous for transport

**14.3 Sea (IMDG)**

- Not classified as hazardous for transport

**14.4 Environmental hazards**

- No information available

**14.5 Special precautions for user**

- No information available

**14.6 Transport in bulk according to Annex II of Marpol and the IBC Code**

- No information available
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**SECTION 15: Regulatory information**

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

- This Safety Data Sheet is provided in compliance with the EC Regulation 1907/2006-2015/830

15.2 Chemical safety assessment

- No Chemical Safety Assessment has been carried out for the mixture
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**SECTION 16: Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H411: Toxic to aquatic life with long lasting effects. H412: Harmful to aquatic life with long lasting effects.

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any