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SAFETY DATA SHEET

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This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

- Product Name: Strongcoat PSE Hardener
- Other means of Identification
- UFI: -
- Product Part Number: C03/06/03/061-H

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

- Use of the substance/mixture: Hardener component of chemical resistant epoxy polysulphide flexible coating

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

- Name of Supplier: DCP Saudi Co
- Address of Supplier: P.O.Box 1117  
Riyadh 11576  
Kingdom of Saudi Arabia
- Telephone: + 966 11 461 2003
- Fax: + 966 11 279 2059
- Email: Info.saudi@dcp-int.com

**1.4 Emergency telephone number**

- Emergency Telephone: + 966 11 461 2003 (available during work hours)

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**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

- CLP: Flam. Liq. 3, Acute Tox. 4, Skin Corr. 1B, Aquatic Chronic 2, Skin Sens. 1

**2.2 Label elements**

- Signal Word: Danger

**Hazard statements**

- H226 - Flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H314 - Causes severe skin burns and eye damage.

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

H317 - May cause an allergic skin reaction.

H411 - Toxic to aquatic life with long lasting effects.

### Precautionary statements

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P501 - Dispose of contents/container to an authorised waste collection point

P403+P235 - Store in a well-ventilated place. Keep cool.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P405 - Store locked up.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor/physician.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P330 - Rinse mouth.

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P233 - Keep container tightly closed.

P273 - Avoid release to the environment.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

P391 - Collect spillage.

### 2.3 Other hazards

- Contains: Nonylphenol  
2-piperazin-1-ylethylamine  
2,4,6-tris(dimethylaminomethyl)phenol

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia

CAS Number: 9046-10-0

EC Number: 618-561-0

Concentration: 5 - 20%

Categories: Skin Corr. 1C, Eye Dam. 1, Aquatic Chronic 3

Specific Concentration Limits: No information available

M factor: No information available

Acute toxicity estimate: Not available

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

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Symbols: GHS05  
H Statements: H314, H412, H318

**nonylphenol**

CAS Number: 25154-52-3  
EC Number: 246-672-0  
Concentration: 5 - 20%  
Categories: Acute Tox. 4, Skin Corr. 1B, Repr. 2, Aquatic Acute 1, Aquatic Chronic 1  
Specific Concentration Limits: No information available  
M factor: No information available  
Acute toxicity estimate: Not available  
Symbols: GHS08, GHS05, GHS07, GHS09  
H Statements: H361fd, H302, H314, H400, H410

**2-piperazin-1-ylethylamine**

CAS Number: 140-31-8  
EC Number: 205-411-0  
Concentration: 5 - 20%  
Categories: Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 3  
Specific Concentration Limits: No information available  
M factor: No information available  
Acute toxicity estimate: Not available  
Symbols: GHS05, GHS07  
H Statements: H312, H302, H314, H317, H412

**ALIPHATIC POLYSULPHIDE POLYMER**

CAS Number: 68611-50-7  
EC Number: 614-671-8  
Concentration: 30 - 50%  
Categories: Aquatic Chronic 3  
Specific Concentration Limits: No information available  
M factor: No information available  
Acute toxicity estimate: Not available  
Symbols: None  
H Statements: H412

**reaction mass of ethylbenzene and xylene**

CAS Number: -  
EC Number: 905-588-0  
Concentration: 1 - 10%  
Categories: Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2  
Specific Concentration Limits: No information available  
M factor: No information available

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

Acute toxicity estimate: Not available  
Symbols: GHS02, GHS08, GHS07  
H Statements: H226, H304, H312, H315, H319, H332, H335, H373

**2,4,6-tris(dimethylaminomethyl)phenol**

CAS Number: 90-72-2  
EC Number: 202-013-9  
Concentration: 1 - 10%  
Categories: Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2  
Specific Concentration Limits: No information available  
M factor: No information available  
Acute toxicity estimate: Not available  
Symbols: GHS07  
H Statements: H302, H319, H315

**Bis[(dimethylamino)methyl]phenol**

CAS Number: 71074-89-0  
EC Number: 275-162-0  
Concentration: 1 - 5%  
Categories: Skin Corr. 1B  
Specific Concentration Limits: No information available  
M factor: No information available  
Acute toxicity estimate: Not available  
Symbols: GHS05  
H Statements: H314

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**SECTION 4: First aid measures****4.1 Description of first aid measures****Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Get medical advice/attention.

**Contact with skin**

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water  
IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.  
If skin irritation or rash occurs: Get medical advice/attention.  
Contaminated clothing should be laundered before reuse

**Contact with eyes**

If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes

**SECTION 4: First aid measures (....)**

Remove contact lenses, if present and easy to do. Continue rinsing.  
Seek immediate medical attention

**Ingestion**

Do not induce vomiting  
If swallowed, rinse mouth with water (only if the person is conscious)  
Get immediate medical advice/attention.  
Seek immediate medical attention

**4.2 Most important symptoms and effects, both acute and delayed****Contact with eyes**

Causes serious eye damage.

**Contact with skin**

Causes severe burns

**Inhalation**

Causes irritation

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

- Treat symptomatically
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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

- Extinguish with foam, carbon dioxide, dry powder or water spray.
- Do not use water jets

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

- May give off noxious and toxic fumes in a fire
- Nitrogen and carbon oxides may be formed

**5.3 Advice for firefighters**

- Prevent run off water from entering drains if possible
  - Avoid breathing dust/fume/gas/mist/vapours/spray.
  - Wear self contained breathing apparatus and full protective clothing
  - Do not allow run-off water to enter sewers and water sources.
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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

- Shut off all ignition sources
  - Use non-sparking handtools
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**SECTION 6: Accidental release measures (....)**

- Do not allow to enter public sewers and watercourses
- Ventilate area
- Do not smoke
- Avoid contact with skin and eyes
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Ensure adequate ventilation
- Keep away from heat and sources of ignition
- Wash thoroughly after dealing with spillage
- Wear suitable protective clothing

**6.2 Environmental precautions**

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- Shut off all ignition sources
- Prevent further spillage if safe

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

- Collect spillage.
- Avoid release to the environment.
- Collect as much as possible in clean container for reuse or disposal
- Contain spillage with sand, earth or other non-combustible material.
- Do not absorb spillage in sawdust or other combustible material
- Ensure adequate ventilation
- In case of leakage, eliminate all ignition sources.
- Soak up with inert absorbent
- Sweep or shovel-up spillage and remove to a safe place
- Use non-sparking handtools

**6.4 Reference to other sections**

- For personal protection see section 8
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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

- Do not wear contact lenses when working with this material
- Dispose of contents/container to an authorised waste collection point
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- If ventilation/extraction is inadequate or unavailable use suitable respiratory protection.
- Keep away from food, drink and animal foodstuffs
- Keep away from heat and sources of ignition
- Keep away from heat, sparks, open flames and hot surfaces
- Keep away from sources of ignition - No Smoking
- Store in original, correctly labelled and tightly closed containers
- Use good personal hygiene practices

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## SECTION 7: Handling and storage (....)

- Wash thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Wash contaminated clothing before reuse.

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

- Store in a well-ventilated place. Keep cool.
- Store locked up.

### 7.3 Specific end use(s)

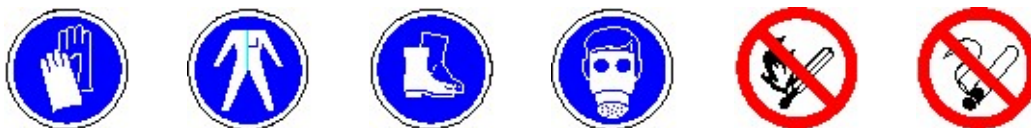
- No information available
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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- There are no recommended or established controls for this product

### 8.2 Exposure controls



- Avoid contact with skin and eyes
  - In case of inadequate ventilation wear respiratory protection.
  - Keep away from food, drink and animal feedingstuffs
  - Keep container tightly closed
  - Wash hands thoroughly after using this substance
  - Wear suitable protective clothing, eye/face protection and gloves
  - Do not eat, drink or smoke when using this product.
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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- |                              |                          |
|------------------------------|--------------------------|
| - Physical state:            | Liquid                   |
| - Colour:                    | Clear honey              |
| - Odour:                     | Amine, sulphide          |
| - Melting point/Range:       | Not available            |
| - Boiling Point/Range:       | No data available        |
| - Flammability:              | No information available |
| - Lower explosive limit:     | NA% (in air)             |
| - Upper explosive limit:     | NA% (in air)             |
| - Flashpoint:                | > 35°C                   |
| - Autoignition Temperature:  | NA                       |
| - Decomposition temperature: | NA                       |
| - pH:                        | No information available |

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## SECTION 9: Physical and chemical properties (....)

- Kinematic viscosity: NA mm<sup>2</sup>/s
- Solubility: NA
- Vapour Pressure: Not available
- Density: 1.07 ± 0.02 g/cm<sup>3</sup>
- Vapour Density: Not available
- Particle characteristics: NA
- Solubility in water: Immiscible with water

### 9.2 Other information

#### 9.2.1 Information with Regard to Physical Hazard Classes

No Information Available

#### 9.2.2 Other Safety Characteristics

No Information Available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

### 10.2 Chemical stability

- Considered stable under normal conditions

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

### 10.4 Conditions to avoid

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep at temperature not exceeding 35 °C
- Keep away from frost

### 10.5 Incompatible materials

- Incompatible with acids and alkalis
- Strong oxidising agents

### 10.6 Hazardous decomposition products

- Combustion may emit toxic fumes
- Decomposition products may include toxic fumes
- Decomposition products may include nitrogen and carbon oxides

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- No information available

### 11.2 Information on other hazards



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**SECTION 11: Toxicological information (....)**

## 11.2.1 Endocrine disrupting properties

No Information Available

## 11.2.2 Information on other hazards

No Information Available

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**SECTION 12: Ecological information**

## 12.1 Toxicity

- No information available

## 12.2 Persistence and degradability

- No information available

## 12.3 Bioaccumulative potential

- No information available

## 12.4 Mobility in soil

- immiscible with water

## 12.5 Results of PBT and vPvB assessment

- No information available

## 12.6 Endocrine disrupting properties

- No information available

## 12.7 Other adverse effects

- No information available

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**SECTION 13: Disposal considerations**

## 13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Avoid release to the environment. Refer to special instructions/Safety data sheets
- Do not empty into drains - dispose of this material and container in a safe way
- Dispose of contents/container to an authorised waste collection point

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**SECTION 14: Transport information**

## 14.1 Air (ICAO/IATA)

- ICAO UN No.: 2920
- Proper Shipping Name: CORROSIVE LIQUID, FLAMMABLE, N.O.S.

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**SECTION 14: Transport information (....)**

- ICAO Hazard Class: 8
- ICAO Packing Group: II

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

- ADR UN No.: 2920
- Proper Shipping Name: CORROSIVE LIQUID, FLAMMABLE, N.O.S.
- ADR Hazard Class: 8

**14.3 Sea (IMDG)**

- IMDG UN No.: 2920
- Proper Shipping Name: CORROSIVE LIQUID, FLAMMABLE, N.O.S.
- IMDG Hazard Class: 8
- IMDG Packing Group.: II

**14.4 Environmental hazards**

- No information available
- Marine Pollutant

**14.5 Special precautions for user**

- No information available
- ADR Classification Code: CF1
- Contains: Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia  
nonylphenol
- Tunnel Restriction Code: 2  
(D/E)
- Tunnel Tank Restriction Codes: L4BN

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

- No information available

**14.7 Maritime transport in bulk according to IMO instruments**

- 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 Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

**15.2 Chemical safety assessment**

- A chemical safety assessment (CSA) for this product has not yet been completed

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**SECTION 16: Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H226: Flammable liquid and vapour. H302: Harmful if swallowed. H304: May be fatal if swallowed and enters

**SECTION 16: Other information (....)**

airways. H312: Harmful 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. H319: Causes serious eye irritation. H332: Harmful if inhaled. H335: May cause respiratory irritation. H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child. H373: May cause damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very 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 other materials or in any other process.

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