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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 UN201 Hardener
- Other means of Identification
- UFI: -
- Product Part Number: C05/05/05/097-H

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

- Use of the substance/mixture: Hardener component of Epoxy roller coatings and self-levelling floor toppings

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

- Name of Supplier: DCP Lebanon
- Address of Supplier: Port, Jamarek Street, 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 work hours)

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

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

**2.2 Label elements**

- Signal Word: Danger

**Hazard statements**

- H302 - Harmful if swallowed.
- H311 - Toxic in contact with skin.
- H314 - Causes severe skin burns and eye damage.
- H317 - May cause an allergic skin reaction.
- H412 - Harmful to aquatic life with long lasting effects.

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

### 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  
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.  
P330 - Rinse mouth.  
P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read label before use.  
P273 - Avoid release to the environment.

### 2.3 Other hazards

- Contains: Nonylphenol  
2-piperazin-1-ylethylamine

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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:	-
Concentration:	15 - 40%
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
Symbols:	GHS05
H Statements:	H314, H412, H318

nonylphenol

CAS Number:	25154-52-3
EC Number:	-
Concentration:	10 - 30%

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

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:	10 - 30%
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

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### Inhalation

Remove patient to fresh air  
 Rescuers should put on approved respiratory protection before entering the area to render first aid  
 Keep warm and at rest  
 If breathing is difficult, oxygen should be given by a trained person  
 Apply artificial respiration only if patient is not breathing but do not use mouth to mouth resuscitation  
 Get medical advice/attention.

##### Contact with skin

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention  
 Remove contaminated clothing  
 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  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 Get medical advice/attention.

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

## Ingestion

- Do not induce vomiting
- Wash out mouth with water. Consult a doctor.
- Remove patient to fresh air
- Keep warm and at rest, in a half upright position. Loosen clothing
- If material has been swallowed & the affected person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting, may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so as to vomit does not enter the lungs.
- Get immediate medical advice/attention.
- Never give anything by mouth to an unconscious person
- Apply artificial respiration only if patient is not breathing but do not use mouth to mouth resuscitation
- Seek immediate medical attention

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

## Contact with eyes

- Can cause damage to the eyes

## Contact with skin

- Prolonged skin or eye contact may cause chemical burns
- May cause an allergic skin reaction.

## Inhalation

- No specific symptoms known.

## 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.

## 5.2 Special hazards arising from the substance or mixture

- Decomposition products may include nitrogen and carbon oxides

## 5.3 Advice for firefighters

- In case of fire: Evacuate area.
  - Wear chemical protection suit and positive-pressure breathing apparatus
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**SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

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## SECTION 6: Accidental release measures (....)

- Avoid contact with skin and eyes
- In case of leakage, eliminate all ignition sources.
- Ensure adequate ventilation
- Wear suitable respiratory protection
- Evacuate the area and keep personnel upwind

### 6.2 Environmental precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities
- Prevent further spillage if safe
- Shut off all ignition sources
- Contain spillage by any means possible
- Do not empty into drains

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

- Collect spillage.
- Contain spillage with sand, earth or other non-combustible material.
- Do not absorb spillage in sawdust or other combustible material
- Dispose of this material as hazardous waste.
- Use non-sparking handtools
- Contain & collect spillage with an electrically protected vacuum cleaner or by wet brushing

### 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
- Wear protective gloves/protective clothing/eye protection/face protection.
- Do not eat, drink or smoke when using this product.
- Wash thoroughly after handling.
- Avoid contact with skin and eyes
- Ensure adequate ventilation
- Store in original, correctly labelled and tightly closed containers
- Keep away from heat, sparks, open flames and hot surfaces
- Use non-sparking tools.
- Take action to prevent static discharges.
- Ground and bond container and receiving equipment.

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

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

- Store locked up.
- Store in original, correctly labelled and tightly closed containers
- Store in a dry environment away from direct sunlight.
- Keep away from food, drink and animal feedingstuffs
- Keep away from strong oxidisers, heat, flames and sources of ignition.

### 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



- Ensure adequate ventilation
- Engineering controls should be provided which maintain airborne concentrations as low as practicable
- Use explosion-proof ventilating and lighting equipment.
- Wash hands thoroughly after using this substance
- Contaminated work clothing should not be allowed out of the workplace.
- Remove contaminated clothing
- Wash contaminated clothing before reuse.
- Eyewash bottles should be available
- Wear goggles giving complete eye protection
- Wear suitable chemically resistant gloves and boots.
- In case of inadequate ventilation wear respiratory protection.
- Skin protection: Personal protective equip for body should be selected based on the task being performed & risks involved.
- Environmental: Emissions from ventilation or work process equipment should be exposure controls checked to ensure they comply with the environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment necessary to reduce emissions to acceptable levels.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: Yellow
- Odour: Ammonia odour

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

- Melting point/Range: Not available
- Boiling Point/Range: No information available
- Flammability: No information available
- Lower explosive limit: NA% (in air)
- Upper explosive limit: NA% (in air)
- Flashpoint: >93°C
- Autoignition Temperature: NA
- Decomposition temperature: NA
- pH: No information available
- Kinematic viscosity: NA mm<sup>2</sup>/s
- Solubility: Insoluble in water.
- Vapour Pressure: Not available
- Density: 0.97 – 1.01 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.

### 10.5 Incompatible materials

- Incompatible with oxidizing substances
- Incompatible with acids and alkalis

### 10.6 Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- 9046-10-0

Oral LD50: 2.885,3 mg/kg (rat)

Dermal LD50: 2.980 mg/kg (rabbit)

Inhalation LC50/8h: > 0.74 mg/l (rat)

Potential acute health effects

Inhalation Harmful by inhalation.

Skin contact Harmful in contact with skin. Irritating to skin

Eye contact Irritating to eyes.

Over Exposure Symptoms: Contains material which causes damage to the following organs: Eye, Lens or Cornea. Contains material which may cause damage to the following organs Mucous Membranes, Upper Respiratory tract, Skin, Central Nervous System.

### 11.2 Information on other hazards

#### 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



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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.: 1760
- Proper Shipping Name: CORROSIVE LIQUID, N.O.S.
- ICAO Hazard Class: 8
- ICAO Packing Group: III

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

- ADR UN No.: 1760
- Proper Shipping Name: CORROSIVE LIQUID, N.O.S.
- ADR Hazard Class: 8

### 14.3 Sea (IMDG)

- IMDG UN No.: 1760
- Proper Shipping Name: CORROSIVE LIQUID, N.O.S.
- IMDG Hazard Class: 8
- IMDG Packing Group.: III

### 14.4 Environmental hazards

- No information available
- Marine Pollutant

### 14.5 Special precautions for user

- No information available
- ADR Classification Code: C9
- Contains: Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia  
nonylphenol
- Tunnel Restriction Code: 3 (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

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

- 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:- H302: Harmful if swallowed. H312: Harmful in contact with skin. H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child. 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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