
SAFETY DATA SHEET

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

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

1.1 Product identifier

- Product Name: Strongcoat HB400 - Hardener
- Product Part Number: C05/05/05/058-H

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

- Use of the substance/mixture: Hardener component of Solvent free, nontoxic epoxy protective coating for concrete and metal

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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



- Precautionary statements
 - P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
 - P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 - P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 - P273 - Avoid release to the environment.
 - P264 - Wash thoroughly after handling
 - P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 - P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 - P363 - Wash contaminated clothing before reuse.
 - P391 - Collect spillage.
 - P270 - Do not eat, drink or smoke when using this product.
 - P272 - Contaminated work clothing should not be allowed out of the workplace.
 - P405 - Store locked up.
 - P501 - Dispose of contents/container in accordance with local/regional/national/ international regulations.

2.3 Other hazards

- Contains: Polyoxypropylenediamine
Nonyl phenol
1-(2-Aminoethyl) piperazine (AEP)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Material	CAS#	Percentage	Categories	Symbols	H statements
Polyoxypropylenediamine	9046-10-0	15 – 40	Skin Corr. 1C, Eye Dam. 1, Aquatic Chronic 3	GHS05	H314, H318, H412
Nonyl phenol	25154-52-3	10 – 30	Acute Tox. 4, Skin Corr. 1B, Repr. 2, Aquatic Acute 1, Aquatic Chronic 1	GHS08, GHS05, GHS07, GHS09	H361fd, H302, H314, H400, H410
2-piperazin-1-ylethylamine	140-31-8	10 – 30	Acute Tox. 3, Repr. 2, STOT RE 1, Skin Corr. 1B, Eye Dam. 1, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 3	GHS06, GHS08, GHS05, GHS07	H311, H361, H372, H314, H318, H302, H317, H412
Benzyl alcohol	100-51-6	1 – 10	Acute Tox. 4, Eye Irrit. 2	GHS07	H332, H302, H319

SECTION 4: First aid measures

4.1 Description of first aid measures

- Take off immediately all contaminated clothing.
- Inhalation
 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 - Seek medical attention if ill effects occur
- Contact with skin
 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 - 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.
 - After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water
- Contact with eyes
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - Get medical advice/attention.
- Ingestion
 - Do NOT induce vomiting.
 - If swallowed, rinse mouth with water (only if the person is conscious)
 - Give water or milk to drink
 - Never give anything by mouth to an unconscious person
 - Get immediate medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- No information available

4.3 Indication of any immediate medical attention and special treatment needed

- No information available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Water fog or fine spray, CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Don not use water with a full water jet.

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

- Do not allow run-off water to enter sewers and water sources.
- Wear self contained breathing apparatus and full protective clothing
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- In case of fire: Evacuate area.
- May give off noxious and toxic fumes in a fire

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Ensure adequate ventilation
- Wear protective clothing as per section 8
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Evacuate the area and keep personnel upwind
- Wash thoroughly after dealing with spillage
- Avoid contact with skin and eyes

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

- Avoid release to the environment.
- Collect as much as possible in clean container for reuse or disposal
- Soak up with inert absorbent
- Place in appropriate container
- Wear suitable protective clothing, eye/face protection and gloves
- Ensure adequate ventilation

6.4 Reference to other sections

- See Section 8, 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Adopt best Manual Handling considerations when handling, carrying and dispensing.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Avoid contact with skin and eyes
- Do not eat, drink or smoke when using this product.
- Ensure adequate ventilation
- Keep away from food, drink and animal foodstuffs
- Use good personal hygiene practices
- Store in original, correctly labelled and tightly closed containers
- Wash thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Contaminated work clothing should not be allowed out of the workplace.
- Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

- Store in original, correctly labelled and tightly closed containers
- Store in a dry environment away from direct sunlight.
- Store in a cool, dry, well ventilated area.
- Keep away from food, drink and animal feedingstuffs

7.3 Specific end use(s)

- No information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- No information available

8.2 Exposure controls



- Ensure adequate ventilation
- Avoid contact with skin and eyes
- Contaminated work clothing should not be allowed out of the workplace.
- Do not eat, drink or smoke when using this product.
- In case of inadequate ventilation wear respiratory protection.
- Keep away from food, drink and animal feedingstuffs
- Wash thoroughly after handling.
- Wear suitable protective clothing, eye/face protection and gloves
- Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Yellowish liquid
- Odour: Amine
- Boiling Point/Range: > 220 °C
- Flashpoint: >100°C
- Specific Gravity: 1.02 ± 0.02
- Solubility in water: Insoluble in water

9.2 Other information

- No information available

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

- No special precautions are required for this product

10.5 Incompatible materials

- Strong oxidising agents
- Incompatible with acids and alkalis

10.6 Hazardous decomposition products

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



SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Skin corrosion/irritation
Causes severe skin burns and eye damage.
- Serious eye damage/irritation
Causes serious eye damage.
- Respiratory or skin sensitisation
May cause an allergic skin reaction.

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

- No information available

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Other adverse effects

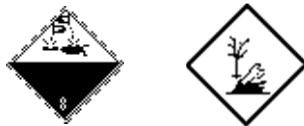
- Avoid release to the environment.

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
- Small quantities may be reacted with a suitable quantity of epoxy resin, allowed to cure and disposed of as low hazard waste. Larger quantities should be disposed of as hazardous waste via a licensed waste operator.

SECTION 14: Transport information



14.1 Air (ICAO/IATA)

- ICAO UN No.: 2735
- Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S.
- ICAO Hazard Class: 8
- ICAO Packing Group: II

14.2 Road/Rail (ADR/RID)

- ADR UN No.: 2735
- Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S.
- ADR Packing Group: II

14.3 Sea (IMDG)

- IMDG UN No.: 2735
- Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S.
- IMDG Hazard Class: 8
- IMDG Pack Group.: II

14.4 Environmental hazards

- Marine Pollutant

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

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

- A REACH chemical safety assessment has not been carried out

SECTION 16: Other information

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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