

SAFETY DATA SHEET
BC Heavy duty epoxy

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

1.1. Product identifier

BC Heavy duty epoxy

BC HD EPOXY A

Product number HD A

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

Identified uses Coating

1.3. Details of the supplier of the safety data sheet

Building Chemistry Industry

P.Code 338941

Tel: 0138050533

Mob: 0593120221

Kingdom of Saudi Arabia

1.4. Emergency telephone number

Emergency telephone +966 0593120221

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Elicitation - EUH208 STOT RE 2 - H373

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram



Signal word

Danger

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Hazard statements	<p>EUH208 Contains BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL)SEBACATE. May produce an allergic reaction.</p> <p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>P260 Do not breathe vapour/ spray.</p> <p>P273 Avoid release to the environment.</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/ shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P314 Get medical advice/ attention if you feel unwell.</p>
Contains	<p>POLY(OXY(METHYL-1,2-ETHANEDIYL)),ALPHA-(2-AM OMEGA-(2-AMINOMETHYLETHOXY, DIETHYLMETHYLBENZENEDIAMINE</p>
Supplementary precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P391 Collect spillage.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</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>POLY(OXY(METHYL-1,2-ETHANEDIYL)),ALPHA-(2-AM OMEGA-(2-AMINOMETHYLETHOXY</p> <p>CAS number: 9046-10-0</p>	<p>60-100%</p>
<p>Classification</p> <p>Acute Tox. 4 - H302</p> <p>Skin Corr. 1B - H314</p> <p>Aquatic Chronic 3 - H412</p>	

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DIETHYLMETHYLBENZENEDIAMINE		10-30%
CAS number: 68479-98-1	EC number: 270-877-4	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification		
Acute Tox. 4 - H302		
Acute Tox. 4 - H312		
Eye Irrit. 2 - H319		
STOT RE 2 - H373		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		
BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL)SEBACATE		<1%
CAS number: 41556-26-7		
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification		
Skin Sens. 1 - H317		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Avoid contact with skin and eyes. Do not breathe vapour. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Inhalation	Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Give plenty of water to drink. Never give anything by mouth to an unconscious person. 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.
Skin contact	Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if irritation persists after washing.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations. In doubt, get medical attention promptly.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

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Protective actions during firefighting	Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes. Do not use water jet as an extinguisher, as this will spread the fire. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	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

Personal precautions	Warn everybody of potential hazards and evacuate if necessary. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. Do not breathe vapour.
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6.2. Environmental precautions

Environmental precautions	Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.
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6.4. Reference to other sections

Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Use only in well-ventilated areas. Provide adequate ventilation. Open drum carefully as content may be under pressure. Avoid contact with skin and eyes. Avoid inhalation of vapours. Do not eat, drink or smoke when using the product. Good personal hygiene procedures should be implemented.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10).
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7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Ingredient comments	No exposure limits known for ingredient(s).
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8.2. Exposure controls

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Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

The following protection should be worn: Chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 8 hours.

Other skin and body protection

Wear apron or protective clothing in case of contact.

Hygiene measures

Provide eyewash station and safety shower. Keep away from food, drink and animal feeding stuffs. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving workplace.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Gas filter, type A2. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless to pale yellow.
Odour	Ammonia.
pH	pH (concentrated solution): 8.5-10.5 @ 20 °C
Melting point	n/a°C
Flash point	>185°C
Vapour pressure	<1.2 mmHg @ °C
Relative density	1.01 @ 20 °C°C
Solubility(ies)	Slightly soluble in water.

9.2. Other information

Other information	Not available.
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10.1. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.2. Possibility of hazardous reactions

Possibility of hazardous reactions Not available.

10.3. Conditions to avoid

Conditions to avoid Heating may generate the following products: Toxic and corrosive gases or vapours. Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight.

10.4. Incompatible materials

Materials to avoid Avoid contact with acids.

10.5. Hazardous decomposition products

Hazardous decomposition products Fire or high temperatures create: Nitrous gases (NO_x). Oxides of the following substances: Carbon monoxide (CO). Carbon dioxide (CO₂). Vapours/gases/fumes of: Ammonia or amines.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 524.28

Acute toxicity - dermal

ATE dermal (mg/kg) 4,782.61

Inhalation This product is corrosive.

Ingestion Harmful if swallowed. Harmful: danger of serious damage to health by prolonged exposure if swallowed. Corrosive. Small amounts may cause serious damage.

Skin contact Causes burns. Corrosive. Prolonged contact causes serious tissue damage.

Eye contact Causes burns. Risk of serious damage to eyes.

Acute and chronic health hazards This product is corrosive. This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns.

Route of entry Inhalation Skin absorption Ingestion.

Target organs Eyes Kidneys Liver Skin

SECTION 12: Ecological Information

Ecotoxicity Avoid releasing into the environment. The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity Very toxic to aquatic organisms.

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12.2 Persistence and degradability There are no data on the degradability

12.3. Bioaccumulative potential

Bio accumulative potential LC50/96h/rainbow trout = >100 mg/L. LC50/48h/daphnia = 15 mg/L

12.4. Mobility in soil

Mobility Do not discharge into drains or watercourses or onto the ground.

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 When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Waste class 08 04 99

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 2735

UN No. (IMDG) 2735

UN No. (ICAO) 2735

14.2. UN proper shipping name

Proper shipping name (ADR/RID) Amines, Liquid, Corrosive, N.O.S. (Poly(Oxy(Methyl-1,2-Ethanediy)),Alpha-(2-Am Omega-(2-Aminomethylethoxy, Diethyl methyl benzene diamine)

Proper Shipping Name (Imdg) Amines, Liquid, Corrosive, N.O.S. (Poly(Oxy(Methyl-1,2-Ethanediy)),Alpha-(2-Am Omega-(2-Aminomethylethoxy, Diethyl methyl benzene diamine)

Proper Shipping Name (Icao) Amines, Liquid, Corrosive, N.O.S. (Poly(Oxy(Methyl-1,2-Ethanediy)),Alpha-(2-Am Omega-(2-Aminomethylethoxy, Diethyl methyl benzenediamine)

Proper Shipping Name (Adn) Amines, Liquid, Corrosive, N.O.S. (Poly(Oxy(Methyl-1,2-Ethanediy)),Alpha-(2-Am Omega-(2-Aminomethylethoxy, Diethyl methyl benzenediamine)

14.3. Transport hazard class(es)

ADR/RID class 8

ADR/RID label 8

IMDG class 8

ICAO class/division 8

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Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-A, S-B

Emergency Action Code 2X

Hazard Identification Number 80
(ADR/RID)

Tunnel restriction code (E)

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

SECTION 15: Regulatory information

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

EU legislation 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

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 04/02/2023

Revision 1

Supersedes date 29/04/2021

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Hazard statements in full
an allergic reaction.

EUH208 Contains BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL)SEBACATE. May produce

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.

H319 Causes serious eye irritation.

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.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.