

Safety Data Sheet
According to 1272/2008/EC (CLP)

Printing Date: 01.09.2015

Version Number: 1.0

Revision Date: 01.09.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier:**Trade name: DENEPOX 40 Component A**1.2 Relevant identified uses of the substance or mixture, and uses advised against:**

Waterproofing.

Identified uses advised against: No further relevant information available.**1.3 Details of the supplier of the safety data sheet:****Manufacturer/supplier:**

De Neef Construction Chemicals BVBA
Industriepark 8,
2220 Heist-op-den-Berg,
Belgium.

Tel: +32 15 24 93 60

Fax: +32 15 24 80 72

Further information obtainable from: conchem@deneef.com**1.4 Emergency telephone number:**

+44 (0)1235 239 670 (Multi-lingual – 24 Hours)

+44 (0)1235 239 671 (Dedicated phone line for Arabic speaking countries - 24 Hours)

EHS Department, Cikarang, Indonesia - Tel. No.: - (62-21) 893-4260

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture:****Classification according to Regulation (EC) No 1272/2008**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements:**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS07 GHS09

Signal word Warning**Hazard-determining components of labelling:**

1,6-bis(2,3-epoxypropoxy)hexane

Bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight < 700)

(Contd. on page 2)

GBN

Safety Data Sheet
According to 1272/2008/EC (CLP)

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Trade name: DENEPOX 40 Component A

(Contd. of page 1)

Bisphenol-F epoxy resin

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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

P273 Avoid release to the environment.

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

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

P337+P313 If eye irritation persists: Get medical advice/attention.

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

Additional information:

Contains epoxy constituents. May produce an allergic reaction.

2.3 Other hazards:**Results of PBT and vPvB assessment:**

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterization: Mixtures:**Description:** Mixture of substances listed below with non-hazardous additions.

Dangerous components:		
CAS: 16096-31-4 EINECS: 240-260-4 Reg.nr.: 01-2119463471-41-XXXX	1,6-bis(2,3-epoxypropoxy)hexane ----- Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 ----- Aquatic Chronic 3, H412	30-50%
CAS: 25068-38-6 NLP: 500-033-5 Index number: 603-074-00-8	Bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight < 700) ----- Aquatic Chronic 2, H411 ----- Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	25-30%
CAS: 55492-52-9	Bisphenol-F epoxy resin ----- Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	20-25%

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:**General information:** Get medical advice/attention if you feel unwell.**After inhalation:** No special measures required.**After skin contact:** Wash with plenty of soap and water.**After eye contact:** Rinse cautiously with water for several minutes.**After swallowing:**

Rinse mouth.

(Contd. on page 3)

GBN

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Trade name: DENEPOX 40 Component A

(Contd. of page 2)

Do NOT induce vomiting.

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

May cause sensitisation by skin contact.

Irritating to eyes.

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

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media:**

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray.

5.2 Special hazards arising from the substance or mixture:

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters:

Protective equipment: Wear self-contained respiratory protective device.

Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Send for recovery or disposal in suitable receptacles.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling:**

Prevent formation of aerosols.

Avoid contact with skin.

Avoid contact with eyes.

(Contd. on page 4)

GBN

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Version Number: 1.0

Revision Date: 01.09.2015

Trade name: *DENEPOX 40 Component A*

(Contd. of page 3)

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

Store in a well-ventilated place. Keep container tightly closed.

Keep only in original container.

Use only outdoors or in a well-ventilated area.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities:

STORAGE

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions:

Protect from frost.

Store in a dry place.

Keep cool.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: Based on the lists valid at the date of SDS creation.

8.2 Exposure controls:

PERSONAL PROTECTIVE EQUIPMENT

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands: Protective gloves.

Material of gloves: Rubber gloves.

Penetration time of glove material:

The exact breakthrough time has to be determined by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 5)

GBN

Safety Data Sheet
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Revision Date: 01.09.2015

Trade name: DENEPOX 40 Component A

(Contd. of page 4)

Eye protection:

Safety glasses with side shield protection.



A face shield should also be worn if there is potential exposure to splash or spray.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

GENERAL INFORMATION**Appearance:**

Form:	Liquid.
Colour:	Yellow.
Odour:	Typical.
Odour threshold:	Not determined.

pH-value (~): Not determined.

Change in conditions:-

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 200 °C
Flash point:	> 100 °C

Flammability (solid, gaseous): Not applicable.

Decomposition temperature: Not determined.

Self-igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

EXPLOSION LIMITS

Lower:	Not determined.
Upper:	Not determined.
VOC Content:	Not determined.

Vapour pressure: Not determined.

Density at 20 °C: ~ 1,1 g/cm³

Relative density: Not determined.

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in/Miscibility with:-

Water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

VISCOSITY

Dynamic at 20 °C: 90 mPas

Kinematic: Not determined.

(Contd. on page 6)

GBN

Safety Data Sheet
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Printing Date: 01.09.2015

Version Number: 1.0

Revision Date: 01.09.2015

Trade name: DENEPOX 40 Component A

(Contd. of page 5)

Molecular weight Not applicable.

9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Stable under normal conditions.

10.2 Chemical stability:

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

ACUTE TOXICITY

LD/LC50 values relevant for classification:

25068-38-6 Bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight < 700)

LC50, 48h | 2,8 mg/l (daphnia magna)

LC50, 96h | 220 mg/l (algae)

3,6 mg/l (bacterial)

2,4 mg/l (fish)

Primary irritant effect:-

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

GBN

(Contd. on page 7)

Safety Data Sheet
According to 1272/2008/EC (CLP)

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Trade name: *DENEPOX 40 Component A*

(Contd. of page 6)

SECTION 12: Ecological information**12.1 Toxicity:****AQUATIC TOXICITY****16096-31-4 1,6-bis(2,3-epoxypropoxy)hexane**

EC50, 96h | 30 mg/l (fish) (OECD 203)

12.2 Persistence and degradability: No further relevant information available.**12.3 Bioaccumulative potential:** No further relevant information available.**12.4 Mobility in soil:** No further relevant information available.**ECOTOXICAL EFFECTS****Remark:** Toxic for fish**ADDITIONAL ECOLOGICAL INFORMATION****General notes:**

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms.

12.5 Results of PBT and vPvB assessment:**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects:** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods:****Recommendation:**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

UNCLEANED PACKAGING**Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****14.1 UN-Number**
ADR, IMDG, IATA

UN3082

(Contd. on page 8)

GBN

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Version Number: 1.0

Revision Date: 01.09.2015

Trade name: DENEPOX 40 Component A

(Contd. of page 7)

14.2 UN proper shipping name
ADR, IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (EPOXY RESIN (Number average MW
≤ 700)

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (EPOXY RESIN (Number average MW
≤ 700), MARINE POLLUTANT

14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class
Label

9 Miscellaneous dangerous substances and articles.
9

14.4 Packing group
ADR, IMDG, IATA

III

14.5 Environmental hazards:

Product contains environmentally hazardous substances:
EPOXY RESIN (Number average MW ≤ 700

Marine pollutant:

Yes
Symbol (fish and tree)

Special marking (ADR):

Symbol (fish and tree)

Special marking (IATA):

Symbol (fish and tree)

14.6 Special precautions for user:

Warning: Miscellaneous dangerous substances and articles.

Danger code (Kemler):

90

EMS Number:

F-A,S-F

**14.7 Transport in bulk according to Annex II
of MARPOL73/78 and the IBC Code:**

Not Regulated

Transport/Additional information:

ADR

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

Transport category

3

Tunnel restriction code

E

IMDG

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN
(NUMBER AVERAGE MW ≤ 700), 9, III

GBN

(Contd. on page 9)

Safety Data Sheet
According to 1272/2008/EC (CLP)

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Trade name: DENEPOX 40 Component A

(Contd. of page 8)

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

See Section 2 for hazard identification.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

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.

Department issuing SDS:

EHS Department,
Asia Pacific Region
Grace Construction Products
SCIP, Canlubang, Calamba City, Laguna
Philippines 4028
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GBN