

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

Printing Date: 08.09.2015

Version Number: 1.0

Revision Date: 08.09.2015

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

1.1 Product identifier:

Trade name: DENEPOX 40 Component B

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

Acute Tox. 4	H302	Harmful if swallowed.
Acute Tox. 4	H312	Harmful in contact with skin.
Skin Corr. 1B	H314	Causes severe skin burns and eye damage.
Eye Dam. 1	H318	Causes serious eye damage.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Repr. 2	H361f	Suspected of damaging fertility.
Aquatic Chronic 3	H412	Harmful 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

GHS05

GHS07

GHS08

Signal word Danger

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Hazard-determining components of labelling:

Isophorondiamine
bisphenol A
2,4,6-tris(dimethylaminomethyl)phenol
Benzyl alcohol

Hazard statements

H302+H312 Harmful if swallowed or in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H361f Suspected of damaging fertility.
H412 Harmful 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.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

Hazard description: Corrosive**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: 2855-13-2 EINECS: 220-666-8 Index number: 612-067-00-9	Isophorondiamine ----- Skin Corr. 1B, H314 Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317 Aquatic Chronic 3, H412	50-100%
CAS: 100-51-6 EINECS: 202-859-9 Index number: 603-057-00-5 Reg.nr.: 01-2119492630-38-XXXX	Benzyl alcohol ----- Acute Tox. 4, H302; Eye Irrit. 2, H319	5,0-10,0%
CAS: 90-72-2 EINECS: 202-013-9 Index number: 603-069-00-0	2,4,6-tris(dimethylaminomethyl)phenol ----- Skin Corr. 1B, H314 Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317 Aquatic Chronic 3, H412	5,0-10,0%
CAS: 80-05-7 EINECS: 201-245-8 Index number: 604-030-00-0	bisphenol A ----- Repr. 2, H361f Eye Dam. 1, H318 Skin Sens. 1, H317; STOT SE 3, H335	5,0-10,0%

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

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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.

Do NOT induce vomiting.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

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

Causes burns.

May cause sensitisation by skin contact.

Harmful if swallowed.

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:** No further relevant information available.**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:

Use neutralising agent.

Send for recovery or disposal in suitable receptacles.

Dispose contaminated material as waste according to item 13.

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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:**

Risk of serious damage to eyes.

Prevent formation of aerosols.

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:****100-51-6 Benzyl alcohol**

WEEL (USA) Long-term value: 10 ppm

80-05-7 bisphenol AWEL (Great Britain) Long-term value: 10 mg/m³**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.

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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.

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-brown
Odour:	Amine-like.
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.

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VOC Content:	7,50 %
Vapour pressure:	Not determined.
Density at 20 °C:	~ 0,9 g/cm ³
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:	25 mPas
Kinematic:	Not determined.
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

Harmful if swallowed or in contact with skin.

LD/LC50 values relevant for classification:

2855-13-2 Isophorondiamine

Oral	LD50	1030 mg/kg (rat) (OECD 401)
Dermal	LD50	1840 mg/kg (rabbit)

100-51-6 Benzyl alcohol

Dermal	LD50	1230 mg/kg (rat) 2000 mg/kg (rabbit)
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90-72-2 2,4,6-tris(dimethylaminomethyl)phenol

Oral	LD50	2169 mg/kg (rat) (OECD 401)
Dermal	LD50	1242 mg/kg (rabbit)

80-05-7 bisphenol A

Dermal	LD50	3250 mg/kg (rat) 3000 mg/kg (rabbit)
	LC50, 96h (dynamic)	9,4 mg/l (fish) (OECD 203)

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Primary irritant effect:-**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.

Additional toxicological information: Suspected of damaging fertility or the unborn child.**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**

Suspected of damaging fertility.

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.

SECTION 12: Ecological information

12.1 Toxicity:**AQUATIC TOXICITY****90-72-2 2,4,6-tris(dimethylaminomethyl)phenol**

EC50, 72h | 84 mg/l (algae) (OECD 201)

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:** Harmful to fish**ADDITIONAL ECOLOGICAL INFORMATION****General notes:**

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Harmful to 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.

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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

UN2735

14.2 UN proper shipping name

ADR, IMDG, IATA

AMINES, LIQUID, CORROSIVE, N.O.S.
(Isophorondiamine)

14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class
Label

8 Corrosive substances.
8

14.4 Packing group

ADR, IMDG, IATA

III

14.5 Environmental hazards:

Marine pollutant:

No.

14.6 Special precautions for user:

Danger code (Kemler):

Warning: Corrosive substances.

EMS Number:

80

F-A,S-B

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

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IMDG**Limited quantities (LQ)****Excepted quantities (EQ)**

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S.
(ISOPHORNDIAMINE), 8, III

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:

- 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.
- H335 May cause respiratory irritation.
- H361f Suspected of damaging fertility.
- 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
Tel: ++63 (02) 884-0300, Fax: ++63 (49) 549-7778

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