

**SAFETY DATA SHEET**

RX804D/BK

Page: 1

Compilation date: 20/04/2012

Revision date: 06/04/2016

Revision No: 3

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** RX804D/BK**Synonyms:** EHC: 28611000000813**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** PC1: Adhesives, sealants.**1.3. Details of the supplier of the safety data sheet****Company name:** Robnor ResinLab Ltd  
31 Athena Avenue  
Elgin Industrial Estate  
Swindon  
Wiltshire  
SN2 8EJ  
United Kingdom**Tel:** +44(0) 1793 823741**Fax:** +44(0) 1793 827033**Email:** eusds@robnor.co.uk**1.4. Emergency telephone number****Emergency tel:** +44(0) 1793 823741  
(office hours only)**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; Muta. 2: H341; Aquatic Chronic 3: H412; -: EUH205**Most important adverse effects:** Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing genetic defects. Harmful to aquatic life with long lasting effects. Contains epoxy constituents. May produce an allergic reaction.**2.2. Label elements****Label elements:****Hazard statements:** H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H317: May cause an allergic skin reaction.  
H341: Suspected of causing genetic defects.  
H412: Harmful to aquatic life with long lasting effects.  
EUH205: Contains epoxy constituents. May produce an allergic reaction.**Hazard pictograms:** GHS07: Exclamation mark  
GHS08: Health hazard

# SAFETY DATA SHEET

RX804D/BK

Page: 2

**Signal words:** Warning

**Precautionary statements:** P261: Avoid breathing mist.

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

P302+352: IF ON SKIN: Wash with plenty of water/soap and water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+313: IF exposed or concerned: Get medical attention.

P273: Avoid release to the environment.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

##### ALUMINIUM HYDROXIDE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
244-492-7	21645-51-2	Substance with a Community workplace exposure limit.	-	30-50%

##### CALCIUM CARBONATE

207-439-9	471-34-1	Substance with a Community workplace exposure limit.	-	20-30%
-----------	----------	--	---	--------

##### BISPHENOL A EPOXY RESIN (MW <700) - REACH registered number(s): 01-2119456619-26-XXXX

500-033-5	25068-38-6	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; Aquatic Chronic 2: H411	20-30%
-----------	------------	---	--	--------

##### GLYCIDYL NEODECANOATE - REACH registered number(s): 01-2119431597-33-XXXX

247-979-2	26761-45-5	-	Skin Sens. 1: H317; Muta. 2: H341; Aquatic Chronic 2: H411	1-10%
-----------	------------	---	--	-------

##### KAOLIN

310-194-1	1332-58-7	Substance with a Community workplace exposure limit.	-	1-10%
-----------	-----------	--	---	-------

##### EPOXY PHENOL NOVALAC - REACH registered number(s): 01-2119454392-40-XXXX

608-164-0	28064-14-4	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; Aquatic Chronic 2: H411	<1%
-----------	------------	---	--	-----

##### C13-C15 ALKYL GLYCIDYL ETHERS

268-358-2	68081-84-5	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; Aquatic Chronic 2: H411	<1%
-----------	------------	---	--	-----

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. If irritation occurs or persists, seek medical attention. Transfer to hospital if necessary.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Consult a doctor. Give 1 cup of water to drink every 10 minutes. Do not induce vomiting.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

[cont...]

# SAFETY DATA SHEET

RX804D/BK

Page: 3

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

**Skin contact:** There may be irritation and redness at the site of contact. May cause sensitisation in susceptible individuals.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

## 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Show this safety data sheet to the doctor in attendance. Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** PC1: Adhesives, sealants.

[cont...]

# SAFETY DATA SHEET

RX804D/BK

Page: 4

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

#### ALUMINIUM HYDROXIDE

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	4 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	-	-

#### CALCIUM CARBONATE

UK	-	-	4 mg/m <sup>3</sup>	-
----	---	---	---------------------	---

#### KAOLIN

UK	2 mg/m <sup>3</sup>	-	-	-
----	---------------------	---	---	---

### DNEL/PNEC Values

**Hazardous ingredients:**

#### ALUMINIUM HYDROXIDE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	10.76 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation	3.59 mg/m <sup>3</sup>	Workers	Local

#### CALCIUM CARBONATE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	10 mg/m <sup>3</sup>	Workers	Systemic
PNEC	Microorganisms in sewage treatment	100 mg/L	-	-

#### BISPHENOL A EPOXY RESIN (MW <700)

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	12.25 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal	8.33 mg/kg	Workers	Systemic
PNEC	Fresh water	6 ug/L	-	-
PNEC	Marine water	600 ng/L	-	-
PNEC	Microorganisms in sewage treatment	10 mg/L	-	-
PNEC	Fresh water sediments	996 ug/kg	-	-
PNEC	Marine sediments	99.6 ug/kg	-	-
PNEC	Soil (agricultural)	196 ug/kg	-	-
PNEC	Food chain	11 mg/kg	-	-

#### GLYCIDYL NEODECANOATE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	2.7 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal	1.9 mg/kg	Workers	Systemic
PNEC	Fresh water	1.2 ug/L	-	-
PNEC	Marine water	120 ng/L	-	-
PNEC	Microorganisms in sewage treatment	50 mg/L	-	-

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

[cont...]

# SAFETY DATA SHEET

RX804D/BK

Page: 5

**Hand protection:** Impermeable gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Black

**Odour:** Barely perceptible odour

**Viscosity:** Highly viscous

**Relative density:** 1.83

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids. Bases.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### ALUMINIUM HYDROXIDE

ORAL	RAT	LD50	>2000	mg/kg
------	-----	------	-------	-------

#### CALCIUM CARBONATE

DERMAL	RAT	LD50	>2000	mg/kg
DUST/MIST	RAT	4H LC50	>3	mg/l
ORAL	RAT	LD50	>2000	mg/kg

#### BISPHENOL A EPOXY RESIN (MW <700)

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

[cont...]

# SAFETY DATA SHEET

RX804D/BK

Page: 6

## GLYCIDYL NEODECANOATE

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

## KAOLIN

DERMAL	RAT	LD50	>5000	mg/kg
ORAL	RAT	LD50	>5000	mg/kg

## EPOXY PHENOL NOVALAC

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

### Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated
Germ cell mutagenicity	--	Hazardous: calculated

### Symptoms / routes of exposure

- Skin contact:** There may be irritation and redness at the site of contact. May cause sensitisation in susceptible individuals.
- Eye contact:** There may be irritation and redness. The eyes may water profusely.
- Ingestion:** There may be soreness and redness of the mouth and throat.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

## Section 12: Ecological information

### 12.1. Toxicity

#### Hazardous ingredients:

##### ALUMINIUM HYDROXIDE

Daphnia magna	48H EC50	>100	mg/l
FISH	96H LC50	>100	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	>100	mg/l

##### CALCIUM CARBONATE

Daphnia magna	48H EC50	>100	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	>100	mg/l
Scenedesmus Subspicatus	72H ErC50	>14	mg/l

##### BISPHENOL A EPOXY RESIN (MW <700)

Daphnia magna	48H EC50	1.7	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	2.4	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	1.2	mg/l

##### GLYCIDYL NEODECANOATE

Daphnia magna	48H EC50	4.8	mg/l
---------------	----------	-----	------

[cont...]

# SAFETY DATA SHEET

RX804D/BK

Page: 7

GREEN ALGA ( <i>Selenastrum capricornutum</i> )	72H ErC50	1.2	mg/l
RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	5	mg/l

## EPOXY PHENOL NOVALAC

ALGAE	72H ErC50	9.4	mg/l
<i>Daphnia magna</i>	48H EC50	1.7	mg/l
FISH	96H LC50	1.5	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** Not readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Insoluble in water.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Harmful to aquatic organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

**Specific regulations:** Not applicable.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH205: Contains epoxy constituents. May produce an allergic reaction.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H341: Suspected of causing genetic defects <state route of exposure if it is conclusively

[cont...]

# SAFETY DATA SHEET

RX804D/BK

Page: 8

proven that no other routes of exposure cause the hazard>.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.





**SAFETY DATA SHEET**

HX804D/NC

Page: 1

Compilation date: 20/04/2012

Revision date: 06/04/2016

Revision No: 3a

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** HX804D/NC**Synonyms:** EHC: 28611000000814**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** PC1: Adhesives, sealants.**1.3. Details of the supplier of the safety data sheet****Company name:** Robnor ResinLab Ltd  
31 Athena Avenue  
Elgin Industrial Estate  
Swindon  
Wiltshire  
SN2 8EJ  
United Kingdom**Tel:** +44(0) 1793 823741**Fax:** +44(0) 1793 827033**Email:** eusds@robnor.co.uk**1.4. Emergency telephone number****Emergency tel:** +44(0) 1793 823741  
(office hours only)**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Skin Corr. 1A: H314; Acute Tox. 4: H302+332; Skin Sens. 1: H317; Aquatic Chronic 3: H412; Eye Dam. 1: H318**Most important adverse effects:** Causes severe skin burns and eye damage. Harmful if swallowed or if inhaled. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.**2.2. Label elements****Label elements:****Hazard statements:** H314: Causes severe skin burns and eye damage.  
H302+332: Harmful if swallowed or if inhaled.  
H317: May cause an allergic skin reaction.  
H412: Harmful to aquatic life with long lasting effects.**Hazard pictograms:** GHS05: Corrosion  
GHS07: Exclamation mark**Signal words:** Danger**Precautionary statements:** P260: Do not breathe vapours.

[cont...]

# SAFETY DATA SHEET

HX804D/NC

Page: 2

P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
Rinse skin with water/shower.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P310: Immediately call a doctor.  
P273: Avoid release to the environment.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

BENZYL ALCOHOL - REACH registered number(s): 01-2119492630-38-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
202-859-9	100-51-6	-	Acute Tox. 4: H332; Acute Tox. 4: H302	30-50%

ISOPHORONE DIAMINE - REACH registered number(s): 01-2119514687-32-XXXX

220-666-8	2855-13-2	-	Skin Corr. 1B: H314; Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Chronic 3: H412	10-20%
-----------	-----------	---	--	--------

BISPHENOL A EPOXY RESIN (MW <700) - REACH registered number(s): 01-2119456619-26-XXXX

500-033-5	25068-38-6	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; Aquatic Chronic 2: H411	10-20%
-----------	------------	---	--	--------

META-XYLENEDIAMINE - REACH registered number(s): 01-2119480150-50-XXXX

216-032-5	1477-55-0	-	Skin Corr. 1A: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412; Acute Tox. 3: H331; Acute Tox. 4: H302; -: EUH071	1-10%
-----------	-----------	---	---	-------

## Section 4: First aid measures

### 4.1. Description of first aid measures

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

- Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate. Severe burns may occur. May cause sensitisation in susceptible individuals.

[cont...]

# SAFETY DATA SHEET

HX804D/NC

Page: 3

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

## 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Show this safety data sheet to the doctor in attendance. A decontamination shower should be available on the premises. Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** Corrosive. In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** PC1: Adhesives, sealants.

[cont...]

# SAFETY DATA SHEET

HX804D/NC

Page: 4

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

#### Hazardous ingredients:

##### BENZYL ALCOHOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	22 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation	110 mg/m <sup>3</sup>	Workers	Local
DNEL	Dermal (repeated dose)	8 mg/kg	Workers	Systemic
DNEL	Dermal	40 mg/kg	Workers	Systemic
PNEC	Fresh water	1 mg/L	-	-
PNEC	Marine water	100 ug/L	-	-
PNEC	Microorganisms in sewage treatment	39 mg/L	-	-
PNEC	Fresh water sediments	5.27 mg/kg	-	-
PNEC	Marine sediments	527 ug/kg	-	-
PNEC	Soil (agricultural)	456 ug/kg	-	-

##### ISOPHORONE DIAMINE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	0.073 mg/m <sup>3</sup>	Workers	Local
PNEC	Fresh water	60 ug/L	-	-
PNEC	Marine water	6 ug/L	-	-
PNEC	Microorganisms in sewage treatment	3.18 mg/L	-	-
PNEC	Fresh water sediments	5.784 mg/kg	-	-
PNEC	Marine sediments	578 ug/kg	-	-
PNEC	Soil (agricultural)	1.121 mg/kg	-	-

##### BISPHENOL A EPOXY RESIN (MW <700)

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	12.25 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal	8.33 mg/kg	Workers	Systemic
PNEC	Fresh water	6 ug/L	-	-
PNEC	Marine water	600 ng/L	-	-
PNEC	Microorganisms in sewage treatment	10 mg/L	-	-
PNEC	Fresh water sediments	996 ug/kg	-	-
PNEC	Marine sediments	99.6 ug/kg	-	-
PNEC	Soil (agricultural)	196 ug/kg	-	-
PNEC	Food chain	11 mg/kg	-	-

##### META-XYLENEDIAMINE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	1.2 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation	0.2 mg/m <sup>3</sup>	Workers	Local
DNEL	Dermal	0.33 mg/kg	Workers	Systemic

[cont...]

# SAFETY DATA SHEET

HX804D/NC

Page: 5

PNEC	Fresh water	94 ug/L	-	-
PNEC	Marine water	9 ug/L	-	-
PNEC	Microorganisms in sewage treatment	10 mg/L	-	-
PNEC	Fresh water sediments	430 ug/kg	-	-
PNEC	Marine sediments	43 ug/kg	-	-
PNEC	Soil (agricultural)	45 ug/kg	-	-

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Impermeable gloves.

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Yellow-brown

**Odour:** Characteristic odour

**Viscosity:** Non-viscous

**Boiling point/range°C:** >150

**Flash point°C:** >100

**Relative density:** 1.05

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

[cont...]

# SAFETY DATA SHEET

HX804D/NC

Page: 6

## Hazardous ingredients:

### BENZYL ALCOHOL

DUST/MIST	RAT	4H LC50	>4.178	mg/l
ORAL	RAT	LD50	1620	mg/kg

### ISOPHORONE DIAMINE

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	1030	mg/kg

### BISPHENOL A EPOXY RESIN (MW <700)

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

### META-XYLENEDIAMINE

DERMAL	RAT	LD50	>3100	mg/kg
DUST/MIST	RAT	4H LC50	1.16	mg/l
ORAL	RAT	LD50	980	mg/kg

## Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	INH ING	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated

## Symptoms / routes of exposure

- Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate. Severe burns may occur. May cause sensitisation in susceptible individuals.
- Eye contact:** Corneal burns may occur. May cause permanent damage.
- Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
- Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

## Section 12: Ecological information

### 12.1. Toxicity

## Hazardous ingredients:

### BENZYL ALCOHOL

ALGAE	72H ErC50	500	mg/l
Daphnia magna	48H EC50	230	mg/l
FISH	96H LC50	460	mg/l

### ISOPHORONE DIAMINE

Daphnia magna	48H EC50	23	mg/l
FISH	96H LC50	110	mg/l
Scenedesmus Subspicatus	72H ErC50	>50	mg/l

[cont...]

# SAFETY DATA SHEET

HX804D/NC

Page: 7

## BISPHENOL A EPOXY RESIN (MW <700)

Daphnia magna	48H EC50	1.7	mg/l
GREEN ALGA ( <i>Selenastrum capricornutum</i> )	72H ErC50	2.4	mg/l
RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	1.2	mg/l

## META-XYLENEDIAMINE

GREEN ALGA ( <i>Selenastrum capricornutum</i> )	72H ErC50	33.3	mg/l
RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	>100	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** Not readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** Bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Insoluble in water.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Harmful to aquatic organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Waste code number:** 08 04 09

**Disposal of packaging:** Arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN2735

### 14.2. UN proper shipping name

**Shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S.  
(ISOPHORONE DIAMINE; META-XYLYLENDIAMINE)

### 14.3. Transport hazard class(es)

**Transport class:** 8

### 14.4. Packing group

**Packing group:** II

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

**Tunnel code:** E

[cont...]



# SAFETY DATA SHEET

HX804D/NC

Page: 8

Transport category: 2

## Section 15: Regulatory information

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

**Specific regulations:** Not applicable.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH071: Corrosive to the respiratory tract.

H302: Harmful if swallowed.

H302+332: Harmful if swallowed or if inhaled.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H332: Harmful if inhaled.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.



## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [robnor](#) manufacturer:*

Other Similar products are found below :

[EL171LF/BK/500](#) [EL420LV/WW/050TC](#) [EL583C/NC/500](#) [EL227CL/NC/500](#) [PX439NL-1/BK/250](#) [TS106/NC/1LT](#) [EL110H/BK/250](#)  
[TS109/NC/1LT](#) [EL217C/BK/250](#) [PX900D/NC/250](#) [PX439XS/BK/500](#) [EL171C/566](#) [PX439XS/BK/250](#) [PX439XS/BK/100](#)