

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name: HX439XS/NC

Synonyms: EHC: 2861100000642

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. 3: H311+H331; Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Chronic 2: H411; Eye Dam. 1: H318

Most important adverse effects: Causes severe skin burns and eye damage. Toxic in contact with skin or if inhaled
Harmful if swallowed. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.**2.2. Label elements**

Label elements:

Hazard statements: H314: Causes severe skin burns and eye damage.

H311+H331: Toxic in contact with skin or if inhaled

H302: Harmful if swallowed.

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H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS05: Corrosion

GHS06: Skull and crossbones

GHS09: Environmental



Signal words: Danger

Precautionary statements: P260: Do not breathe mist.

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

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 .

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

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

P310: Immediately call 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:

2,2'-DIMETHYL-4,4'-METHYLENEBIS(CYCLOHEXYLAMINE) - REACH registered number(s): 01-2119497829-12-XXXX

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|-----------|-----------|--|---------|
| 229-962-1 | 6864-37-5 | - | Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 4: H302; Skin Corr. 1A: H314; Aquatic Chronic 2: H411 | 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 | 30-50% |
|-----------|-----------|---|--|--------|

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.

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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: Severe burns may occur. Blistering may occur. Progressive ulceration will occur if treatment is not immediate. 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.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: 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.

[cont...]

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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: Ensure there is exhaust ventilation of the area. Avoid direct contact with the substance.
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.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

Hazardous ingredients:

2,2'-DIMETHYL-4,4'-METHYLENEBIS(CYCLOHEXYLAMINE)

| Type | Exposure | Value | Population | Effect |
|------|------------------------------------|------------|------------|----------|
| DNEL | Inhalation | 600 ug/m3 | Workers | Systemic |
| DNEL | Inhalation | 960 ug/m3 | Workers | Local |
| DNEL | Dermal | 60 ug/kg | Workers | Systemic |
| PNEC | Fresh water | 400 ug/L | - | - |
| PNEC | Marine water | 40 ug/L | - | - |
| PNEC | Microorganisms in sewage treatment | 1.6 mg/L | - | - |
| PNEC | Fresh water sediments | 17.4 mg/kg | - | - |

[cont...]

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| | | | | |
|------|---------------------|------------|---|---|
| PNEC | Marine sediments | 1.74 mg/kg | - | - |
| PNEC | Soil (agricultural) | 4.56 mg/kg | - | - |
| PNEC | Food chain | 556 ug/kg | - | - |

ISOPHORONE DIAMINE

| Type | Exposure | Value | Population | Effect |
|------|------------------------------------|-------------|------------|--------|
| DNEL | Inhalation | 0.073 mg/m3 | 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 | - | - |

8.2. Exposure controls

Engineering measures: Ensure there is exhaust ventilation of the area.

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Organic vapour (Type A) and particulate filter.

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: Amber

Odour: Ammonia

Relative density: 0.96

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.

[cont...]

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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

Hazardous ingredients:

2,2'-DIMETHYL-4,4'-METHYLENEBIS(CYCLOHEXYLAMINE)

| | | | | |
|-----------|-----|---------|------|-------|
| DERMAL | RBT | LD50 | >200 | mg/kg |
| DUST/MIST | RAT | 4H LC50 | 0.4 | mg/l |
| ORAL | RAT | LD50 | >320 | mg/kg |

ISOPHORONE DIAMINE

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

Relevant hazards for product:

| Hazard | Route | Basis |
|--------------------------------|---------|-----------------------|
| Acute toxicity (ac. tox. 4) | ING | Hazardous: calculated |
| Acute toxicity (ac. tox. 3) | INH DRM | 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: Severe burns may occur. Blistering may occur. Progressive ulceration will occur if treatment is not immediate. 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.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

[cont...]

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Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

2,2'-DIMETHYL-4,4'-METHYLENEBIS(CYCLOHEXYLAMINE)

| | | | |
|-------------------------|-----------|------|------|
| Daphnia magna | 48H EC50 | 4.57 | mg/l |
| FISH | 96H LC50 | 22.4 | mg/l |
| Scenedesmus Subspicatus | 72H ErC50 | >5 | mg/l |

ISOPHORONE DIAMINE

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

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

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: Toxic 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: 16 03 06

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: * UN2922

[cont...]

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14.2. UN proper shipping name

Shipping name: * CORROSIVE LIQUID, TOXIC, N.O.S.
(2,2'-DIMETHYL-4,4'-METHYLENEBIS(CYCLOHEXYLAMINE); ISOPHORONE DIAMINE)

14.3. Transport hazard class(es)

Transport class: * 8 (6.1)

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6. Special precautions for user

Special precautions: Marine pollutant(s) - 2,2'-DIMETHYL-4,4'-METHYLENEBIS(CYCLOHEXYLAMINE) ;

Tunnel code: E

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: H302: Harmful if swallowed.

H311: Toxic in contact with skin.

H311+H331: Toxic in contact with skin or if inhaled

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H331: Toxic 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.

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name: RX439XS ALL COLOURS

Synonyms: EHC: 2861100000641

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; Aquatic Chronic 2: H411

Most important adverse effects: Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

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.

Hazard pictograms: GHS07: Exclamation mark

GHS09: Environmental

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Signal words: Warning

Precautionary statements: * P261: Avoid breathing mist.

P273: Avoid release to the environment.

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

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

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

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

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

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% |

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 | 10-30% |
|-----------|------------|---|--|--------|

1,4-BUTANEDIOL DIGLYCIDYL ETHER - REACH registered number(s): 01-2119494060-45-XXXX

| | | | | |
|-----------|-----------|---|--|-------|
| 219-371-7 | 2425-79-8 | - | Acute Tox. 4: H302+H312+H332; Skin Sens. 1: H317; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Irrit. 2: H315 | 1-10% |
|-----------|-----------|---|--|-------|

KAOLIN

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

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. If irritation occurs or persists, seek medical attention. Transfer to hospital if necessary.

Eye contact: Immediately remove contact lenses if present. Bathe the eye with running water for 15 minutes. Get medical attention if any discomfort continues.

[cont...]

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Ingestion: Do not induce vomiting. Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of dust. Consult a doctor.

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. The vision may become blurred.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

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

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.

[cont...]

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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. Avoid the formation or spread of mists in the air. Ensure there is exhaust ventilation of the area.

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.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

Hazardous ingredients:

ALUMINIUM HYDROXIDE

| Type | Exposure | Value | Population | Effect |
|------|------------|-------------------------|------------|----------|
| DNEL | Inhalation | 10.76 mg/m ³ | Workers | Systemic |
| DNEL | Inhalation | 3.59 mg/m ³ | Workers | Local |

1,4-BUTANEDIOL DIGLYCIDYL ETHER

| Type | Exposure | Value | Population | Effect |
|------|------------------------------------|-----------------------|------------|----------|
| DNEL | Inhalation | 4.7 mg/m ³ | Workers | Systemic |
| DNEL | Dermal | 6.66 mg/kg | Workers | Systemic |
| PNEC | Fresh water | 24 ug/L | - | - |
| PNEC | Marine water | 2.4 ug/L | - | - |
| PNEC | Microorganisms in sewage treatment | 100 mg/L | - | - |
| PNEC | Fresh water sediments | 84 ug/kg | - | - |
| PNEC | Marine sediments | 8.4 ug/kg | - | - |
| PNEC | Soil (agricultural) | 2.7 ug/kg | - | - |
| PNEC | Food chain | 28 ug/kg | - | - |

8.2. Exposure controls

Engineering measures: Ensure there is exhaust ventilation of the area.

[cont...]

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Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Suitable respiratory protection should be worn when there is inadequate ventilation. Self-contained breathing apparatus must be available in case of emergency.

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: Various

Odour: Barely perceptible odour

Viscosity: Highly viscous

Relative density: 2.04

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.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

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

Section 11: Toxicological information

11.1. Information on toxicological effects

[cont...]

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Hazardous ingredients:

ALUMINIUM HYDROXIDE

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

EPOXY PHENOL NOVALAC

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

1,4-BUTANEDIOL DIGLYCIDYL ETHER

| | | | | |
|---------|-----|---------|-------|-------|
| DERMAL | RAT | LD50 | >2150 | mg/kg |
| ORAL | RAT | LD50 | 1118 | mg/kg |
| VAPOURS | RAT | 4H LC50 | >11.3 | mg/l |

KAOLIN

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

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. The vision may become blurred.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

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

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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 |

EPOXY PHENOL NOVALAC

| | | | |
|---------------|-----------|-----|------|
| ALGAE | 72H ErC50 | 9.4 | mg/l |
| Daphnia magna | 48H EC50 | 1.7 | mg/l |
| FISH | 96H LC50 | 1.5 | mg/l |

1,4-BUTANEDIOL DIGLYCIDYL ETHER

| | | | |
|-------------------------------|-----------|-----|------|
| Scenedesmus Subspicatus | 72H ErC50 | 110 | mg/l |
| ZEBRAFISH (Brachydanio rerio) | 96H LC50 | 24 | mg/l |

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

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: Toxic 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

[cont...]

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14.1. UN number

UN number: UN3082

14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(EPOXY PHENOL NOVALAC)

14.3. Transport hazard class(es)

Transport class: 9

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6. Special precautions for user

Special precautions: Marine pollutant(s) - EPOXY PHENOL NOVALAC ;

Tunnel code: -

Transport category: 3

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: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

Phrases used in s.2 and s.3: H302+H312+H332: Harmful if swallowed, in contact with skin or if inhaled

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

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.

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