

DampSafe / NewCoat DPM

Damp Tolerable Epoxy DPM (Part A - Resin)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT IDENTIFIER

- Product name Newton 810-DPM Part A
- Product code 810

RELEVANT IDENTIFIED USE OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

- Use of substance / mixture PC1: Adhesives, sealants
PC9a: Coatings and paints, thinners, paint removers

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

- Company name Newton Waterproofing Systems, Newton House, 17-19 Sovereign Way, Tonbridge, Kent TN9 1RH
- Website www.newtonwaterproofing.co.uk
- Email address of the competent person info@newtonwaterproofing.co.uk
- Emergency telephone number +44 (0)1732 360 095
9am - 5pm (GMT) Mon - Fri

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

- Classification under CLP Aquatic Chronic 2: H411
Eye Irrit. 2: H319
Skin Irrit. 2: H315
Skin Sens. 1: H317
- Most important adverse effects Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects

LABEL ELEMENTS

- Hazard statements 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.

- Hazard pictograms GHS07: Exclamation mark
GHS09: Environmental



- Signal words Warning

- Precautionary statements P262: Do not get in eyes, on skin, or on clothing
P273: Avoid release to the environment
P280: Wear protective gloves/protective clothing/eye protection/face protection
P302+350: IF ON SKIN: Gently wash with plenty of 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
P309+311: IF exposed or if you feel unwell: Call a POISON CENTRE/doctor
P502: Refer to manufacturer/supplier for information on recovery/recycling

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OTHER HAZARDS

- PBT

This product is not identified as a PBT/vPvB substance

3. COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURES

- Hazardous ingredients

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} - REACH REGISTERED NUMBER(S): 01-2119456619-26-####

EINECS	CAS	PBT/WEL	CLP CLASSIFICATION	PERCENT
500-033-5	25068-38-6	-	Eye Irrit. 2: H319 Skin Irrit. 2: H315 Skin Sens. 1: H317 Aquatic Chronic 2: H411	50-95%

FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL - REACH REGISTERED NUMBER(S): 01-2119454392-40-####

EINECS	CAS	PBT/WEL	CLP CLASSIFICATION	PERCENT
500-006-8	9003-36-5	-	Skin Irrit. 2: H315 Skin Sens. 1: H317 Aquatic Chronic 2: H411	20-30%

OXIRANE, MONO[(C12-14ALKYLOXY)METHYL] DERIVATIVES - REACH REGISTERED NUMBER(S): 01-2119485289-22-####

EINECS	CAS	PBT/WEL	CLP CLASSIFICATION	PERCENT
271-846-8	68609-97-2	-	Skin Irrit. 2: H315 Skin Sens. 1: H317	10-20%

AMORPHOUS SILICA (FUMED) - REACH REGISTERED NUMBER(S): 01-2119379499-16-####

EINECS	CAS	PBT/WEL	CLP CLASSIFICATION	PERCENT
231-545-4	7631-86-9	Substance with a Community workplace exposure limit	-	10-20%

4. FIRST AID MEASURES

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. Consult a doctor
- Eye contact Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination
- Ingestion Wash out mouth with water. Transfer to hospital as soon as possible
- Inhalation Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor

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MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- Skin contact There may be irritation and redness at the site of contact. There may be redness or whiteness of the skin in the area of exposure. An itchy rash may occur at the site of contact. Irritation or pain may occur at the site of contact
- Eye contact There may be irritation and redness. The eyes may water profusely. The vision may become blurred. There may be severe pain. There may be irritation and pain
- Ingestion There may be soreness and redness of the mouth and throat. There may be vomiting
- Inhalation There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing
- Delayed / immediate effects Immediate effects can be expected after short-term exposure

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

- Immediate / special treatment Eye bathing equipment should be available on the premises. Show this safety data sheet to the doctor in attendance. Immediate medical attention is required

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

- Extinguishing media Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Dry chemical powder. Carbon dioxide

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- Exposure hazards In combustion emits toxic fumes

ADVICE FOR FIRE-FIGHTERS

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

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- Personal precautions Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid

ENVIRONMENTAL PRECAUTIONS

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

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

REFERENCE TO OTHER SECTIONS

- Reference to other sections Refer to section 8 of SDS. Refer to section 13 of SDS

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Damp Tolerable Epoxy DPM (Part A - Resin)

7. HANDLING AND STORAGE

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

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- Storage conditions Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.
- Suitable packaging Must only be kept in original packaging

SPECIFIC END USE(S)

- Specific end use(s) No data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

- Hazardous ingredients

AMORPHOUS SILICA (FUMED)				
STATE	8 HOUR TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	2.4 mg/m ³	-

DNEL/PNEC VALUES

- Hazardous ingredients

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}				
TYPE	EXPOSURE	VALUE	POPULATION	EFFECT
DNEL	Inhalation (Short & Long Term)	12.25 mg/m ³	Workers	Systemic
DNEL	Dermal (Short & Long Term)	8.33 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (Short & Long Term)	3.571 mg/kg bw/day	General Population	Systemic
DNEL	Oral	0.75 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	0.006 mg/L	-	-
PNEC	Marine water	0.0006 mg/L	-	-
PNEC	Fresh water sediments	0.996 mg/kg sediment	-	-
PNEC	Marine sediments	0.0996 mg/kg sediment	-	-
PNEC	Soil (agricultural)	0.196 mg/kg soil dw	-	-

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FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL

TYPE	EXPOSURE	VALUE	POPULATION	EFFECT
DNEL	Inhalation (repeated dose)	29.39 mg/m ³	Workers	Systemic
DNEL	Dermal (repeated dose)	104.15 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	8.7 mg/m ³	General Population	Systemic
DNEL	Dermal (repeated dose)	62.5 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	6.25 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	0.003 mg/L	-	-
PNEC	Marine water	0.0003 mg/L	-	-
PNEC	Fresh water sediments	0.294 mg/kg sediment	-	-
PNEC	Marine sediments	0.0294 mg/kg sediment	-	-
PNEC	Soil (agricultural)	0.237 mg/kg soil dw	-	-

OXIRANE, MONO[(C12-14ALKYLOXY)METHYL] DERIVATIVES

TYPE	EXPOSURE	VALUE	POPULATION	EFFECT
DNEL	Inhalation (repeated dose)	3.6 mg/m ³	Workers	-
DNEL	Dermal (repeated dose)	1 mg/kg bw/day	Workers	-
DNEL	Inhalation (repeated dose)	0.87 mg/m ³	General Population	-
DNEL	Dermal (repeated dose)	0.5 mg/kg bw/day	General Population	-
DNEL	Oral (repeated dose)	0.5 mg/kg bw/day	General Population	-
PNEC	Fresh water	0.0072 mg/L	-	-
PNEC	Marine water	0.00072 mg/L	-	-
PNEC	Fresh water sediments	307.16 mg/kg sediment	-	-
PNEC	Marine sediments	30.72 mg/kg sediment	-	-
PNEC	Soil (agricultural)	61.42 mg/kg soil dw	-	-

EXPOSURE CONTROLS

- Engineering measures Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids. Ensure all engineering measures mentioned in section 7 of SDS are in place
- Respiratory protection Respiratory protection not required
- Hand protection Protective gloves. Gloves (alkali-resistant). Breakthrough time of the glove material > 2 hours. BS EN 374:2003
- Eye protection Safety glasses. Ensure eye bath is to hand
- Skin protection Protective clothing
- Environmental Refer to specific Member State legislation for requirements under Community environmental legislation

9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- State Liquid
- Colour Various
- Odour Characteristic odour
- Evaporation rate Negligible

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Damp Tolerable Epoxy DPM (Part A - Resin)

• Oxidising	Non-oxidising (by EC criteria)
• Solubility in water	Not miscible
• Viscosity	No data available
• Kinematic viscosity	1100 mPa.s
• Boiling point/range°C	No data available
• Melting point/range°C	No data available
• Flammability limits %: lower	No data available
• Flammability limits %: upper	No data available
• Flash point°C	150
• Part.coeff. n-octanol/water	No data available
• Autoflammability°C	> 400
• Vapour pressure	No data available
• Relative density	1.120 g/ml
• pH	No data available
• VOC g/l	No data available

OTHER INFORMATION

• Other information	No data available
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10. STABILITY AND REACTIVITY

REACTIVITY

• Reactivity	Stable under recommended transport or storage conditions
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CHEMICAL STABILITY

• Chemical stability	Stable under normal conditions
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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
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CONDITIONS TO AVOID

• Conditions to avoid	Heat
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INCOMPATIBLE MATERIALS

• Materials to avoid	Strong oxidising agents. Strong acids
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HAZARDOUS DECOMPOSITION PRODUCTS

• Haz. decomp. products	In combustion emits toxic fumes
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11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

• Hazardous ingredients

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

ORL	MUS	LD50	15600	mg/kg
ORL	RAT	LD50	11400	mg/kg
SKN	RBT	LD50	> 20	ml/kg

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Damp Tolerable Epoxy DPM (Part A - Resin)

OXIRANE, MONO[(C12-14ALKYLOXY)METHYL] DERIVATIVES

ORL	RAT	LD50	17100	mg/kg
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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. There may be redness or whiteness of the skin in the area of exposure. An itchy rash may occur at the site of contact. Irritation or pain may occur at the site of contact
- Eye contact
There may be irritation and redness. The eyes may water profusely. The vision may become blurred. There may be severe pain. There may be irritation and pain
- Ingestion
There may be soreness and redness of the mouth and throat. There may be vomiting
- Inhalation
There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing
- Delayed / immediate effects
Immediate effects can be expected after short-term exposure
- Other information
Not applicable

12. ECOLOGICAL INFORMATION

TOXICITY

- Ecotoxicity values
No data available

PERSISTENCE AND DEGRADABILITY

- Persistence and degradability
Not biodegradable

BIOACCUMULATIVE POTENTIAL

- Bioaccumulative potential
Bioaccumulation potential

MOBILITY IN SOIL

- Mobility
Readily absorbed into soil

RESULTS OF PBT AND VPVB ASSESSMENT

- PBT identification
This product is not identified as a PBT/vPvB substance

OTHER ADVERSE EFFECTS

- Other adverse effects
Toxic to aquatic organisms. Toxic to soil organisms

DampSafe / NewCoat DPM

Damp Tolerable Epoxy DPM (Part A - Resin)

13. DISPOSAL CONSIDERATIONS

TREATMENT METHODS

- Disposal operations Transfer to a suitable container and arrange for collection by specialised disposal company. Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the other possible disposal operations (e.g. evaporation, drying, calcination, etc.)
- Recovery operations Not applicable
- Waste code number 08 02 99
- Disposal of packaging Dispose of in a regulated landfill site or other method for hazardous or toxic wastes
- NB The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

14. TRANSPORT INFORMATION

UN NUMBER

- UN number UN3082

UN PROPER SHIPPING NAME

- Shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT})

TRANSPORT HAZARD CLASS(ES)

- Transport class 9

PACKING GROUP

- Packing group III

ENVIRONMENTAL HAZARDS

- Environmentally hazardous Yes
- Marine pollutant No

SPECIAL PRECAUTIONS FOR USER

- Special precautions No special precautions
- Tunnel code E
- Transport category 3

15. REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

- Specific regulations Not applicable. This product is a Seveso category/named substance in Annex I of Council Directive 96/82/EC

CHEMICAL SAFETY ASSESSMENT

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

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Damp Tolerable Epoxy DPM (Part A - Resin)

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
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
- 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

DampSafe / NewCoat DPM

Damp Tolerable Epoxy DPM (Part B - Hardener)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT IDENTIFIER

- Product name Newton 810-DPM Part B
- Product code 810

RELEVANT IDENTIFIED USE OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

- Use of substance / mixture PC1: Adhesives, sealants
PC9a: Coatings and paints, thinners, paint removers

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET


- Company name Newton Waterproofing Systems, Newton House, 17-19 Sovereign Way, Tonbridge, Kent TN9 1RH
- Website www.newtonwaterproofing.co.uk
- Email address of the competent person info@newtonwaterproofing.co.uk
- Emergency telephone number +44 (0)1732 360 095
9am - 5pm (GMT) Mon - Fri

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

- Classification under CLP Repr. 2: H361f
Skin Corr. 1B: H314
Skin Sens. 1: H317
Eye Dam. 1: H318
- Most important adverse effects Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of damaging fertility

LABEL ELEMENTS

- Hazard statements H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction
H361f: Suspected of damaging fertility
- Hazard pictograms GHS05: Corrosion
GHS07: Exclamation mark
GHS08: Health hazard
 
- Signal words Danger
- Precautionary statements P202: Do not handle until all safety precautions have been read and understood
P280: Wear protective gloves/protective clothing/eye protection/face protection
P285: In case of inadequate ventilation wear respiratory protection
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P302+350: IF ON SKIN: Gently wash with plenty of soap and water
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P309+311: IF exposed or if you feel unwell: Call a POISON CENTRE/doctor
P502: Refer to manufacturer/supplier for information on recovery/recycling

DampSafe / NewCoat DPM

Damp Tolerable Epoxy DPM (Part B - Hardener)

OTHER HAZARDS

- PBT

This product is not identified as a PBT/vPvB substance

3. COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURES

- Hazardous ingredients

BENZYL ALCOHOL				
EINECS	CAS	PBT/WEL	CLP CLASSIFICATION	PERCENT
202-859-9	100-51-6	-	Acute Tox. 4: H332 Acute Tox. 4: H302	25-50%
3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE				
EINECS	CAS	PBT/WEL	CLP CLASSIFICATION	PERCENT
220-666-8	2855-13-2	-	Acute Tox. 4: H312 Acute Tox. 4: H302; Skin Corr. 1B: H314 Skin Sens. 1: H317 Aquatic Chronic 3: H412	5-10%
M-PHENYLENEBIS(METHYLAMINE) - REACH REGISTERED NUMBER(S): 01-2119480150-50-####				
EINECS	CAS	PBT/WEL	CLP CLASSIFICATION	PERCENT
216-032-5	1477-55-0	-	Acute Tox. 4: H302 Skin Corr. 1B: H314 Skin Sens. 1: H317 Aquatic Chronic 3: H412 Acute Tox. 4: H332; -: EUH071	5-10%
4,4'-ISOPROPYLIDENEDIPHENOL				
EINECS	CAS	PBT/WEL	CLP CLASSIFICATION	PERCENT
201-245-8	80-05-7	-	Repr. 2: H361f STOT SE 3: H335 Eye Dam. 1: H318 Skin Sens. 1: H317	5-10%
3-AMINOPROPYLDIMETHYLAMINE				
EINECS	CAS	PBT/WEL	CLP CLASSIFICATION	PERCENT
203-680-9	109-55-7	-	Flam. Liq. 3: H226 Acute Tox. 4: H302 Skin Corr. 1B: H314 Skin Sens. 1: H317	5-10%

DampSafe / NewCoat DPM

Damp Tolerable Epoxy DPM (Part B - Hardener)

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL. - REACH REGISTERED NUMBER(S): 01-2119560597-27-####

EINECS	CAS	PBT/WEL	CLP CLASSIFICATION	PERCENT
202-013-9	90-72-2	-	Skin Corr. 1C: H314 Eye Dam. 1: H318 Skin Sens. 1B: H317	5-10%

4. FIRST AID MEASURES

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

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- Skin contact Blistering may occur. Progressive ulceration will occur if treatment is not immediate. An itchy rash may occur at the site of contact. Irritation or pain may occur at the site of contact
- Eye contact Corneal burns may occur. May cause permanent damage. There may be severe pain. The vision may become blurred. The eyes may water profusely. May cause permanent blindness
- 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

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

- Immediate / special treatment Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. No data available

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

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

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- Exposure hazards Corrosive. In combustion emits toxic fumes

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ADVICE FOR FIRE-FIGHTERS

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

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- Personal precautions Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. 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. Turn leaking containers leak-side up to prevent the escape of liquid

ENVIRONMENTAL PRECAUTIONS

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

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

REFERENCE TO OTHER SECTIONS

- Reference to other sections Refer to section 8 of SDS. Refer to section 13 of SDS

7. HANDLING AND STORAGE

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

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

SPECIFIC END USE(S)

- Specific end use(s) No data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

- Hazardous ingredients 4,4'-ISOPROPYLIDENEDIPHENOL
- Workplace exposure limits Respirable dust

STATE	8 HOUR TWA	15 MIN. STEL	8 HOUR TWA	15 MIN. STEL
UK	5 mg/m ³	5 mg/m ³	-	-

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Damp Tolerable Epoxy DPM (Part B - Hardener)

DNEL/PNEC VALUES

- Hazardous ingredients

BENZYL ALCOHOL				
TYPE	EXPOSURE	VALUE	POPULATION	EFFECT
DNEL	Inhalation (repeated dose)	22 mg/m ³	Workers	Systemic
DNEL	Inhalation (repeated dose, Acute)	110 mg/m ³	Workers	Systemic
DNEL	Dermal (repeated dose)	8 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (repeated dose, Acute)	40 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	5.4 mg/m ³	Workers	Systemic
DNEL	Inhalation (repeated dose, Acute)	27 mg/m ³	Workers	Systemic
DNEL	Dermal (repeated dose)	4 mg/kg bw/day	General Population	Systemic
DNEL	Dermal (repeated dose, Acute)	20 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	4 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose, Acute)	20 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	1 mg/L	-	-
PNEC	Marine water	0.1 mg/L	-	-
PNEC	Fresh water sediments	5.27 mg/kg sediment	-	-
PNEC	Marine sediments	0.527 mg/kg sediment	-	-

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE				
TYPE	EXPOSURE	VALUE	POPULATION	EFFECT
DNEL	Inhalation	0.073 mg/m ³	Workers	Local
DNEL	Oral (repeated dose)	0.526 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	0.06 mg/L	-	-
PNEC	Marine water	0.006 mg/L	-	-
PNEC	Fresh water sediments	5.784 mg/kg sediment	-	-
PNEC	Marine sediments	0.578 mg/kg sediment	-	-
PNEC	Soil (agricultural)	1.121 mg/kg soil dw	-	-

M-PHENYLENEBIS(METHYLAMINE)				
TYPE	EXPOSURE	VALUE	POPULATION	EFFECT
DNEL	Inhalation (repeated dose)	1.2 mg/m ³	Workers	Systemic
DNEL	Dermal (developmental tox)	0.33 mg/kg bw/day	Workers	Systemic
PNEC	Fresh water	0.094 mg/L	-	-
PNEC	Marine water	0.0094 mg/L	-	-
PNEC	Fresh water sediments	0.43 mg/kg sediment	-	-
PNEC	Marine sediments	0.045 mg/kg soil dw	-	-

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4,4'-ISOPROPYLIDENEDIPHENOL				
TYPE	EXPOSURE	VALUE	POPULATION	EFFECT
DNEL	Inhalation	10 mg/m ³	Workers	Systemic
DNEL	Dermal	1.4 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	0.25 mg/m ³	General Population	Systemic
DNEL	Inhalation (repeated dose)	5 mg/m ³	General Population	Systemic
DNEL	Dermal (repeated dose)	0.7 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	0.05 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	0.018 mg/L	-	-
PNEC	Marine water	0.016 mg/L	-	-
PNEC	Fresh water sediments	2.2 mg/kg sediment	-	-
PNEC	Marine sediments	0.44 mg/kg sediment	-	-
PNEC	Soil (agricultural)	3.7 mg/kg soil dw	-	-
PNEC	Food chain	13.8 mg/kg food	-	-
3-AMINOPROPYLDIMETHYLAMINE				
TYPE	EXPOSURE	VALUE	POPULATION	EFFECT
DNEL	Inhalation (repeated dose)	4.9 mg/m ³	Workers	Systemic
PNEC	Fresh water	0.034 mg/L	-	-
PNEC	Marine water	0.0034 mg/L	-	-
PNEC	Fresh water sediments	0.221 mg/kg sediment	-	-
PNEC	Marine sediments	0.0221 mg/kg sediment	-	-
PNEC	Soil (agricultural)	0.0242 mg/kg soil dw	-	-
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL				
TYPE	EXPOSURE	VALUE	POPULATION	EFFECT
PNEC	Fresh water	0.084 mg/L	-	-
PNEC	Marine water	0.0084 mg/L	-	-
DNEL	No data	-	-	-

EXPOSURE CONTROLS

- Engineering measures
Ensure there is sufficient ventilation of the area. Ensure there is exhaust ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place
- Respiratory protection
Respiratory protection not required
- Hand protection
Impermeable gloves. Breakthrough time of the glove material > 2 hours. Gloves (alkali resistant). BS EN 374:2003
- Eye protection
Tightly fitting safety goggles. Ensure eye bath is to hand
- Skin protection
Impermeable protective clothing
- Environmental
Refer to specific Member State legislation for requirements under Community environmental legislation

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9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

• State	Liquid
• Colour	Yellow-brown
• Odour	Characteristic odour
• Evaporation rate	Negligible
• Oxidising	Non-oxidising (by EC criteria)
• Solubility in water	Not miscible
• Viscosity	Viscous
• Kinematic viscosity	600 mPa.s
• Boiling point/range°C	134
• Melting point/range°C	No data available
• Flammability limits %: lower	1.3 %
• Flammability limits %: upper	13.0 %
• Flash point°C	86
• Part.coeff. n-octanol/water	No data available
• Autoflammability°C	380
• Vapour pressure	0.3 hPa
• Relative density	1.020 g/ml
• pH	No data available
• VOC g/l	No data available

OTHER INFORMATION

• Other information	Not applicable
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10. STABILITY AND REACTIVITY

REACTIVITY

• Reactivity	Stable under recommended transport or storage conditions
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CHEMICAL STABILITY

• Chemical stability	Stable under normal conditions
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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
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CONDITIONS TO AVOID

• Conditions to avoid	Heat
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INCOMPATIBLE MATERIALS

• Materials to avoid	Strong oxidising agents. Strong acids
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HAZARDOUS DECOMPOSITION PRODUCTS

• Haz. decomp. products	In combustion emits toxic fumes
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11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

- Hazardous ingredients

BENZYL ALCOHOL

IVN	RAT	LD50	53	mg/kg
ORL	MUS	LD50	1360	mg/kg
ORL	RAT	LD50	1230	mg/kg

4,4'-ISOPROPYLIDENEDIPHENOL

ORL	MUS	LD50	2400	mg/kg
ORL	RAT	LD50	3250	mg/kg

3-AMINOPROPYLDIMETHYLAMINE

ORL	RAT	LD50	1870	mg/kg
SKN	RBT	LD50	600	µl/kg

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

ORL	RAT	LD50	1200	mg/kg
SKN	RAT	LD50	1280	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
Reproductive toxicity	--	Hazardous: calculated

SYMPTOMS / ROUTES OF EXPOSURE

- Skin contact
Blistering may occur. Progressive ulceration will occur if treatment is not immediate. An itchy rash may occur at the site of contact. Irritation or pain may occur at the site of contact
- Eye contact
Corneal burns may occur. May cause permanent damage. There may be severe pain. The vision may become blurred. The eyes may water profusely. May cause permanent blindness
- 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
- Other information
Not applicable

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12. ECOLOGICAL INFORMATION

TOXICITY

- Hazardous ingredients

M-PHENYLENEBIS(METHYLAMINE)			
Daphnia magna	48H EC50	15.2	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	20.3	mg/l
Oryctias Latipes	96H LC50	87.6	mg/l

PERSISTENCE AND DEGRADABILITY

- Persistence and degradability Biodegradable

BIOACCUMULATIVE POTENTIAL

- Bioaccumulative potential No bioaccumulation potential

MOBILITY IN SOIL

- Mobility Readily absorbed into soil

RESULTS OF PBT AND VPVB ASSESSMENT

- PBT identification This product is not identified as a PBT/vPvB substance

OTHER ADVERSE EFFECTS

- Other adverse effects Negligible ecotoxicity

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

- Disposal operations Transfer to a suitable container and arrange for collection by specialised disposal company. Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the other possible disposal operations (e.g. evaporation, drying, calcination, etc.)
- Recovery operations Not applicable
- Waste code number 08 02 99
- Disposal of packaging Dispose of in a regulated landfill site or other method for hazardous or toxic wastes
- NB The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

14. TRANSPORT INFORMATION

UN NUMBER

- UN number UN2735

UN PROPER SHIPPING NAME

- Shipping name AMINES, LIQUID, CORROSIVE, N.O.S. (M-PHENYLENEBIS(METHYLAMINE))

TRANSPORT HAZARD CLASS(ES)

- Transport class 8

PACKING GROUP

- Packing group III

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ENVIRONMENTAL HAZARDS

- Environmentally hazardous No
- Marine pollutant No

SPECIAL PRECAUTIONS FOR USER

- Tunnel code E
- Transport category 3

15. REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

- Specific regulations Not applicable

CHEMICAL SAFETY ASSESSMENT

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

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
H226: Flammable liquid and vapour
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
H332: Harmful if inhaled
H335: May cause respiratory irritation
H361f: Suspected of damaging fertility
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