

# Epoxy Top Coat (Part A)

## High Build Epoxy Floor Coating (Part A)

Rev 3.2: 23<sup>rd</sup> March 2023

Code: 701-HB

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

#### Product Identifier

- Product name Epoxy Top Coat Part A
- Product code 701-HB

#### Relevant identified uses of the substance and uses advised against

- Use of substance/mixture IPC1: Adhesives, sealants  
PC9a: Coatings and paints, thinners, paint removers

#### Details of the Supplier of the Material Safety Data Sheet

- Company Address Newton Waterproofing Systems, Newton House, 17-19 Sovereign Way, Tonbridge, Kent TN9 1RH
- Web [www.newtonwaterproofing.co.uk](http://www.newtonwaterproofing.co.uk)
- Email address of the competent person [info@newtonwaterproofing.co.uk](mailto:info@newtonwaterproofing.co.uk)
- Emergency telephone number +44 (0)1732 360095: 08:00/17:30 (GMT) Mon-Thur & 08:00/17:00 (GMT) Fri



### 2. HAZARDS IDENTIFICATION

- Refer to Section 16 for The explanation of the abbreviations used throughout this MSDS  
The full list of Hazard Phrases stated throughout this MSDS

#### 2.1 Classification of the Substance or Mixture Product Identifier

- 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

#### 2.2 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
- Signal words Warning
- Hazard pictograms GHS07 Exclamation Mark  GHS09 Environmental 
- 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  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P302+352: IF ON SKIN: Wash with plenty of soap and water  
P301+312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell  
P502: Refer to manufacturer/supplier for information on recovery/recycling

# Epoxy Top Coat (Part A)

## High Build Epoxy Floor Coating (Part A)

### 2.3 Other Hazards

- PBT / vPvB This product is not identified as a PBT / vPvB substance
- Other Hazards NDA

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture

This product is a mixture

#### Hazardous Substances

Chemical name	CAS	EINECS	REACH Registration Number	Percent	Classification
Barium sulphate	7727-43-7	231-784-4	01-2119491274-35-####	30-50	
Bisphenol A-(epichlorhydrin)(reaction product)	25068-38-6	500-033-5	01-2119456619-26-####	20-30	Eye Irrit. 2: H319 Skin Irrit. 2: H315 Skin Sens. 1: H317 Aquatic Chronic 2: H411
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	9003-36-5	500-006-8	01-2119454392-40-####	10-20	Skin Irrit. 2: H315 Skin Sens. 1: H317 Aquatic Chronic 2: H411
Oxirane, mono [(C12-14-alkyloxy)methyl] derivatives	68609-97-2	271-846-8	01-2119485289-22-####	3-10	Skin Irrit. 2: H315 Skin Sens. 1: H317
Silica, respirable crystalline	-	-	-	1-3	STOT RE 1: H372
Benzyl alcohol	100-51-6	202-859-9	-	<1	Acute Tox. 4: H332 Acute Tox. 4: H302

NB Please also refer to Section 8 Personal Protection / Exposure Controls

## 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. 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. Consult a doctor. Transfer to hospital as soon as possible
- Inhalation Remove casualty from exposure ensuring one's own safety whilst doing so. 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. There may be redness or whiteness of the skin in the areas of exposure. An itchy rash may occur at the site of contact
- Eye contact There may be irritation and redness. The eyes may water profusely. There may be severe pain
- Ingestion There may be soreness and redness of the mouth and throat. There may be vomiting
- Inhalation Exposure may cause coughing or wheezing

# Epoxy Top Coat (Part A)

## High Build Epoxy Floor Coating (Part A)

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

### 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. Immediate medical attention is required  
  
    Eye bathing equipment should be available at the work premises

## 5. FIRE-FIGHTING MEASURES

5.1 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 Material

In combustion emits toxic fumes

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

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Do not attempt to take action without wearing suitable personal protection, refer to Section 8.2 of the MSDS

Evacuate unnecessary personnel. If outside do not approach from downwind. If outside keep bystanders and passing persons upwind and away from the danger point. Mark out the contaminated area with signage and prevent access by unauthorised persons

Turn leaking containers leak-side up to prevent the escape of material, and place in a leak proof labelled container

6.2 Environmental Precautions      Do not discharge into drains or water courses. Contain the spillage using bunding

### 6.3 Methods and Materials for Containment and Cleaning Up

Clean-up should ONLY be dealt with by a qualified person familiar with the specific substance

Large spillages should be contained by bunding and carefully transferred into a sealable impervious container. Remnants from large spillages and small spillages should be absorbed in sand and transferred into sealable impervious container. These containers to be labelled and held for disposal as Section 13

6.4 Reference to Other Sections      Refer to Sections 8, 12 and 13 of the MSDS

## 7. HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling

a. Safe handling      Avoid direct contact with the material. Ensure there is sufficient ventilation of the area. Do not handle in a confined space without forced ventilation, venting safely away from access to other parties. Avoid the formation or spread of mist in the air

Do not eat, drink or smoke when handling. Wash hands after using the material

b. Prevention of handling incompatible substances or mixtures

Do not handle other substances or mixtures at the same time. Keep away from other substances and mixtures

# Epoxy Top Coat (Part A)

## High Build Epoxy Floor Coating (Part A)

### c. Operations and conditions that could create new risks

Do not allow opened, part used or the container in use to come into contact with other materials including the Part A container and all surfaces around. Ensure the containers are tightly sealed during transport and storage in vehicles. Ensure the containers are placed to not fall over in storage and in transport to / from vans and in vans

### d. Reduce risk of release to the environment

Ensure the floor at storage, transport and the work location will not allow access to drains or water courses. Lay heavy gauge plastic sheeting or similarly impervious protective covering. Contain and clean up spillage as Section 6.1 of the MSDS

## 7.2 Conditions for Safe Storage, Including Any Incompatibilities

### a. Storage conditions

Store in a cool, well ventilated area. Must only be stored in original containers. Keep container tightly closed including part used containers. The floor of the storage area to be impermeable to prevent the escape of spillage / liquids

### b. Control of the effects of weather, ambient pressure, temperature, sunlight, humidity and vibration

Ensure opened containers are tightly sealed against vibration spillage during transport when loading / unloading vehicles, during transport and moving from vehicle to the work location. Unopened containers to be protected against damage during the same movements

### c. Storage with other substances and mixtures

Store in the original packaging. Store against falling / touching other materials and in an allocated location

### d. Storage room design, quantity limits, ventilation and packaging compatibilities

Storage room to be dry, cool, well ventilated, and constructed to have impermeable floors and walls to prevent the escape of spillages into the environment

### e. Other considerations

Use of the stock must be by manufacturing date or expiry date rotation. Containers past their expiry date must be removed for disposal according to Section 13 of the MSDS. No other data available

## 7.3 Specific End Use(es)

Base component of a two-component, solvent free, epoxy resin based floor coating

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

#### Workplace Exposure Limits (WEL)

Taken from the HSE EH40 Table: no limit stated = not on EH40  
If no 15 min STEL use 3x TWA

#### Comments Key

Carc: Capable of causing cancer and / or heritable genetic damage

Sen: Capable of causing occupational asthma

Sk: Can be absorbed through the skin, assigned here to substances for which there are concerns that dermal absorption will lead to systematic toxicity

# Epoxy Top Coat (Part A)

## High Build Epoxy Floor Coating (Part A)

Substance	Long-term exposure limit (8hr TWA reference period)		Short-term exposure limit (15 minute reference period)		Comments
	ppm	mg / m <sup>3</sup>	ppm	mg / m <sup>3</sup>	
Barium sulphate - Inhalable dust - Respirable dust	- -	10 4	- -	30 12	The Carc, Sen and Sk notations are not exhaustive. Notations have been applied to substances identified in IOELV Directives
Silica, respirable crystalline	-	0.1	-	0.3	

### WEL - Installer of 701-HB

701-HB Part A is a liquid with its ingredient substances consumed into the formulation so the WEL inhalable & respirable dust hazards for the Barium Sulphate and Silica constituents do not apply providing the application instructions are followed

### WEL - Subsequent works to the surface

The WEL hazards DO APPLY for any works to or on the surfaces to which 701-HB has been applied that create 701-HB dust, non-exclusive examples being:

- Grinding, abrading, cutting, etc. of / into the coated surface
- Works on the coated surface that may release these inhalable / respirable dust hazards from the 701-HB coating

### DNEL / PNEC

Abbreviations: RD = repeated dose  
SLT = Short & Long Term

Substance: Barium sulphate				
Type	Exposure	Value	Population	Effect
DNEL	Inhalation (RD)	10 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation (RD)	10 mg/m <sup>3</sup>	General population	Systemic
DNEL	Oral (RD)	13,000 mg/kg bw/day	General population	Systemic
PNEC	Fresh water	115 µg/L	-	-
PNEC	Fresh water sediments	600.4 mg/kg sediment	-	-
PNEC	Soil (agricultural)	207.7 mg/kg soil dw	-	-

Substance: Bisphenol A-(epichlorhydrin)(reaction product)				
Type	Exposure	Value	Population	Effect
DNEL	Inhalation (SLT)	12.25 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (SLT)	8.33 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (SLT)	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	-	-

# Epoxy Top Coat (Part A)

## High Build Epoxy Floor Coating (Part A)

Substance: Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol				
Type	Exposure	Value	Population	Effect
DNEL	Inhalation (RD)	29.39 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (RD)	104.15 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (RD)	8.7 mg/m <sup>3</sup>	General population	Systemic
DNEL	Dermal (RD)	62.5 mg/kg bw/day	General population	Systemic
DNEL	Oral (RD)	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	-	-

Substance: Oxirane, mono [(C12-14-alkyloxy)methyl] derivatives				
Type	Exposure	Value	Population	Effect
DNEL	Inhalation (RD)	3.6 mg/m <sup>3</sup>	Workers	-
DNEL	Dermal (RD)	1 mg/kg bw/day	Workers	-
DNEL	Inhalation (RD)	0.87 mg/m <sup>3</sup>	General population	-
DNEL	Dermal (RD)	0.5 mg/kg bw/day	General population	-
DNEL	Oral (RD)	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	-	-

Substance: Benzyl alcohol				
Type	Exposure	Value	Population	Effect
DNEL	Inhalation (RD)	22 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation (RD, Acute)	110 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (RD)	8 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (RD, Acute)	40 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (RD)	5.4 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation ( RD, Acute)	27 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (RD)	4 mg/kg bw/day	General population	Systemic
DNEL	Dermal (RD, Acute)	20 mg/kg bw/day	General population	Systemic
DNEL	Oral (RD)	4 mg/kg bw/day	General population	Systemic
DNEL	Oral (RD, 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	-	-

# Epoxy Top Coat (Part A)

## High Build Epoxy Floor Coating (Part A)

### 8.2 Exposure Controls

- 8.2.1 Appropriate Engineering Controls Ensure there is sufficient ventilation in the area, including forced ventilation if necessary or in an enclosed space. Ensure lighting and electrical equipment are not a source of ignition. Ensure all engineering measures mentioned in Section 7 of the MSDS are in place
- Isolate the work area with warning signage against unauthorised access. Ensure all other persons are pre-notified of the works and remain clear of the work area
- 8.2.2 Personal Protective Equipment
- a. Eye / face protection Safety glasses with side protection EN166. Ensure eye bath facilities are available
- b. Skin protection
- (i) Hand Protection To be impermeable and resistant to the product / substance / mixture. Due to missing tests no recommendation to the glove material can be given. Selection of the glove material to be on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC, this being repealed by EU 2016/425 on 21/04/2018, and the resultant standard EN 374
- The selection of the suitable gloves does not only depend upon the material, but also further marks of quality and varies from manufacturer to manufacturer
- Break through, and other characteristics, depending upon material density and the glove type, and must be determined in each case
- Gloves must be inspected prior to each time used and must be replaced when damaged or worn out
- Impermeable gloves, alkali-resistant, EN 374
- Penetration time of gloves Breakthrough time of the glove material > 2 hours
- (ii) Other Impermeable protective clothing
- Good hygiene measures should be followed at all time
- c. Respiratory protection N/A
- d. Thermal hazards NDA
- e. Environmental Refer to specific Member State legislation for requirements under Community environmental legislation

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties

- Appearance
  - (i) Form Liquid
  - (ii) Colour Various
- Odour Characteristic odour
- Odour threshold NDA
- pH NDA
- Melting point/range °C NDA
- Freezing point/range °C NDA
- Initial boiling point/range °C NDA
- Flash point/self-ignition °C NDA



# Epoxy Top Coat (Part A)

## High Build Epoxy Floor Coating (Part A)

• Evaporation rate	Negligible
• Flammability (solid, gas)	NDA
• Flammability limits, lower %	NDA
• Flammability limits, upper %	NDA
• Auto flammability °C	NDA
• Decomposition temperature	NDA
• Explosive properties	NDA
• Oxidising properties	Non-oxidising (by EC criteria)
• Vapour pressure	NDA
• Vapour density	NDA
• Relative density	NDA
• Solubility in water	Not miscible
• Partition coefficient n-octanol/water	NDA
• Also soluble in	NDA
• Viscosity	Non-viscous
• VOC g/l	NDA
9.2 Other Information	N/A

### 10. STABILITY AND REACTIVITY

10.1 Reactivity	Stable under recommended transport or storage conditions
10.2 Chemical Stability	Stable under recommended transport, storage and usage conditions and when protected against the materials or conditions listed below
10.3 Possibility of Hazardous Reactions	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to the materials and conditions listed below
10.4 Conditions to Avoid	Heat
10.5 Incompatible Materials to Avoid	Strong oxidising agents. Strong acids
10.6 Hazardous Decomposition Products	In combustion emits toxic fumes



# Epoxy Top Coat (Part A)

## High Build Epoxy Floor Coating (Part A)

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on Toxicological Effects

- Acute toxicity

Hazardous ingredients

Hazardous Ingredient	Test			Result
Bisphenol A-(epichlorhydrin) (reaction product)	Oral	Mouse	LD50	15,600 mg/kg
	Oral	Rat	LD50	11,400 mg/kg
	Skin	Rabbit	LD50	> 20 ml/kg
Oxirane, mono [(C12-14-alkyloxy)methyl] derivatives	Oral	Rat	LD50	17,100 mg/kg
Benzyl Alcohol	Intravenous	Rat	LD50	53 mg/kg
	Oral	Mouse	LD50	1,360 mg/kg
	Oral	Rat	LD50	1,230 mg/kg

Relevant hazards for product

Hazard	Route	Basis
Skin corrosion / irritation	Dermal Route Migration	Hazardous: calculated
Serious eye damage / irritation	Optical	Hazardous: calculated
Respiratory / skin sensitisation	Dermal Route Migration	Hazardous: calculated

Excluded hazards for product

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	Based on available data the classification criteria is not met
Acute toxicity (ac. tox. 3)	-	Based on available data the classification criteria is not met
Acute toxicity (ac. tox. 2)	-	Based on available data the classification criteria is not met
Acute toxicity (ac. tox. 1)	-	Based on available data the classification criteria is not met
Germ cell mutagenicity	-	Based on available data the classification criteria is not met
Carcinogenicity	-	Based on available data the classification criteria is not met
Reproductive toxicity	-	Based on available data the classification criteria is not met
STOT single exposure	-	Based on available data the classification criteria is not met
STOT repeated exposure	-	Based on available data the classification criteria is not met
Aspiration hazard	-	Based on available data the classification criteria is not met

Symptoms / routes of exposure

- Skin corrosion / irritation  
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
- Serious eye damage / irritation  
There may be irritation and redness. The eyes may water profusely. There may be serious pain
- Ingestion  
There may be soreness and redness of the mouth and throat. There may be vomiting
- Respiratory or skin sensitisation  
Exposure may cause coughing or wheezing
- Delayed / immediate  
Immediate effects can be expected after short-term exposure. Delayed effects can be expected after long-term exposure
- Other information  
N/A

# Epoxy Top Coat (Part A)

## High Build Epoxy Floor Coating (Part A)

### 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity	NDA
12.2 Persistence and Biodegradability	Biodegradable
12.3 Bioaccumulative Potential	No bioaccumulation potential
12.4 Mobility in Soil	Readily absorbed in soil
12.5 Results of PBT & vPvT Assessment	This product is not identified as a PBT/vPvB substance
12.6 Other Adverse Effects	Toxic to aquatic organisms. Toxic to soil organisms

### 13. DISPOSAL CONSIDERATIONS

<b>13.1 Waste Treatment Methods</b>	
• Recovery operations	Treat as Section 6: Accidental Release Measures. Recovery is not applicable
• Disposal method for material	Transfer to a suitable closed container for storage / isolation and arrange for collection by a specialist disposal organisation. The closed containers to be labelled with the contents  Physio-chemical treatment not specified elsewhere here which results in final compounds or mixtures which are discarded by means of any other possible disposal operations (e.g. evaporating, drying, calcination, etc.)
• Disposal of packaging	Treat the same as disposal of the material, see above
• Waste code number	701-HB Part A and the mixed product: 08 02 99 Packaging - metal container with remnants: 15 0110
• Special precautions for the disposal method	Ensure substances or mixtures are not mixed with other materials and not held in the same outer container with other materials
• NB	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

### 14. TRANSPORT INFORMATION

14.1 UN Number	UN3082
14.2 UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}); FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL)
14.3 Transportation Hazard Class(es)	9
14.4 Packing Group	III
14.5 Environmental Hazards	
• Environmentally hazardous	Yes
• Marine pollutant	No
14.6 Special Precautions for User	
• Special precautions	No special precautions
• Tunnel code	E
• Transport category	3
14.7 Transport in Bulk According to:	
(i) Annex II of Marpol	NDA
(ii) the IBC Code	NDA

# Epoxy Top Coat (Part A)

## High Build Epoxy Floor Coating (Part A)

### 15. REGULATORY INFORMATION

#### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance, Mixture or Article

COMMISSION REGULATION (EU) No 2015/830 of 28/05/2015 amending Regulation (EC) No 1907/2006 and repealing (EU) 453/2010 20 May 2010 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/ EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

- Other regulations, limitations and prohibitive regulations

This product is a Seveso category/named substance in Annex I of Council Directive 96/82/EC

#### 15.2 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

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

#### Phrases Used in Sections 2 & 3

H302: Harmful if swallowed

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation

H332: Harmful if inhaled

H372: Causes damage to organs

H411: Toxic to aquatic life with long lasting effects

#### Notice

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process

#### Abbreviations & Acronyms

bw: body weight

CAS: Chemical Abstracts Service (division of the American Chemical Society)

CLP: EU Regulation 1272/2008: Classification, Labelling & packaging of chemical substances

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Level (REACH)

EINECS: European Inventory of Existing Commercial Chemical Substances

HSE: (UK) Health & Safety Executive

IOELV: Indicative Occupational Exposure Limit Values

Irrit.: Irritation

LD50: Lethal Dose, 50% affected

# Epoxy Top Coat (Part A)

## High Build Epoxy Floor Coating (Part A)

MSDS: Material Safety Data Sheet

N/A: Not Applicable

NDA: No Data Available

PBT: Persistent, Bioaccumulative and Toxic substances

vPvB: Very Persistent and very Bioaccumulative substances

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals:  
Regulation (EC) No 1907/2006

Sens.: Sensitisation

STEL: Short Term Exposure Limit

STOT RE: Specific target organ toxicity (from) repeated exposure

Tox.: Toxicity

TWA: Time Weighted Averages

### Changes Compared to the Previous Version

Date	Replaces	Sections	Item	Change	Comment
03/04/19	Rev 2.0	8.1	PNEC	missing unit of measure element in Part A added: mg/ <sup>3</sup> now mg/m <sup>3</sup>	Part B Rev. Nbr. also updated to align with pART a Rev. Nbr.

# Epoxy Top Coat (Part B)

## High Build Epoxy Floor Coating (Part B)

Rev 3.2: 23<sup>rd</sup> March 2023

Code: 701-HB

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

#### Product Identifier

- Product name Epoxy Top Coat Part B
- Product code 701-HB

#### Relevant identified uses of the substance and uses advised against

- Use of substance/mixture IPC1: Adhesives, sealants  
PC9a: Coatings and paints, thinners, paint removers

#### Details of the Supplier of the Material Safety Data Sheet

- Company Address Newton Waterproofing Systems, Newton House, 17-20 Sovereign Way, Tonbridge, Kent TN9 1RH
- Web [www.newtonwaterproofing.co.uk](http://www.newtonwaterproofing.co.uk)
- Email address of the competent person [info@newtonwaterproofing.co.uk](mailto:info@newtonwaterproofing.co.uk)
- Emergency telephone number +44 (0)1732 360095: 08:00/17:30 (GMT) Mon-Thur & 08:00/17:00 (GMT) Fri



### 2. HAZARD IDENTIFICATION

- Refer to Section 16 for The explanation of the abbreviations used throughout this MSDS  
The full list of Hazard Phrases stated throughout this MSDS

#### 2.1 Classification of the Substance or Mixture Product Identifier

- Classification under CLP Acute Tox. 4: H302; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Corr. 1B: H314; Skin Sens. 1: H317
- Most important adverse effects Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Harmful to aquatic life with long lasting effects

#### 2.2 Label Elements

- Hazard statements H302: Harmful if swallowed  
H314: Causes severe skin burns and eye damage  
H317: May cause an allergic skin reaction  
H318: Causes serious eye damage  
H412: Harmful to aquatic life with long lasting effects
- Signal words Danger
- Hazard pictograms GHS05  GHS07   
Corrosion Exclamation mark
- Precautionary statements P262: Do not get in eyes, on skin, or on clothing  
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 victim to fresh air and keep at rest in a position 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

# Epoxy Top Coat (Part B)

## High Build Epoxy Floor Coating (Part B)

### 2.3 Other Hazards

- PBT / vPvB This product is not identified as a PBT / vPvB substance
- Other Hazards NDA

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture

This product is a mixture

Hazardous Substances

Chemical name	CAS	EINECS	REACH Registration Number	Percent	Classification
Benzyl alcohol	100-51-6	202-859-9	01-2119492630-38-####	30-50	Acute Tox. 4: H332 Acute Tox. 4: H302
3-Aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8	01-2119514687-32-####	10-20	Acute Tox. 4: H312 Acute Tox. 4: H302 Skin Corr. 1B: H314 Skin Sens. 1: H317 Aquatic Chronic 3: H412
M-phenylenebis(methylamine)	1477-55-0	216-032-5	01-2119480150-50-####	10-20	Acute Tox. 4: H302 Skin Corr. 1B: H314 Skin Sens. 1B: H317 Aquatic Chronic 3: H412 Acute Tox. 4: H332 EUH071
4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with m-phenylenebis(methylamine)	113930-69-1	500-302-7	01-2119965162-39-####	3-10	Skin Corr. 1B: H314 Eye Dam. 1: H318 Skin Sens. 1B: H317 Aquatic Chronic 2: H411
Salicylic acid	69-72-7	200-712-3	01-2119486984-17-####	3-10	Acute Tox. 4: H302 Eye Dam. 1: H318

NB Please also refer to Section 8 Personal Protection / Exposure Controls

## 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 effected 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. 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 recovery position . If conscious, ensure the casualty sits or lays down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible

# Epoxy Top Coat (Part B)

## High Build Epoxy Floor Coating (Part B)

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed D

- Skin contact Blistering may occur. Progressive ulceration will occur if treatment is not immediate
- Eye contact Corneal burns may occur. May cause permanent damage. There may be severe pain. The eyes may water profusely. The vision may become blurred. May cause permanent blindness
- Ingestion Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth and nose
- Inhalation There may be shortness of breathe 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. Delayed effects can be expected after short-term exposure

### 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. Immediate medical attention is required  
Eye bathing equipment should be available at the work premise

## 5. FIRE-FIGHTING MEASURES

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

### 5.2 Special Hazards Arising from the Material

Corrosive. In combustion emits toxic fumes

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

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Notify the police and fire brigade immediately

Do not attempt to take action without wearing suitable personal protection, refer to Section 8.2 of the MSDS

Evacuate unnecessary personnel. If outside do not approach from downwind. If outside keep bystanders and passing persons upwind and away from the danger point. Mark out the contaminated area with signage and prevent access by unauthorised persons

Turn leaking containers leak-side up to prevent the escape of material, and place in a leak proof labelled container

6.2 Environmental Precautions Do not discharge into drains or water courses. Contain the spillage using bunding

### 6.3 Methods and Materials for Containment and Cleaning Up

Clean-up should ONLY be dealt with by a qualified person familiar with the specific substance

Large spillages should be contained by bunding and carefully transferred into a sealable impervious container. Remnants from large spillages and small spillages should be absorbed in sand and transferred into sealable impervious container. These containers to be labelled and held for disposal as Section 13

6.4 Reference to Other Sections Refer to Sections 8, 12 and 13 of the MSDS



# Epoxy Top Coat (Part B)

## High Build Epoxy Floor Coating (Part B)

### 7. HANDLING AND STORAGE

#### 7.1 Precautions for Safe Handling

- a. Safe handling

Avoid direct contact with the material. Ensure there is sufficient ventilation of the area. Do not handle in a confined space without forced ventilation, venting safely away from access to other parties. Avoid the formation or spread of mist in the air

Do not eat, drink or smoke when handling. Wash hands after using the material
- b. Prevention of handling incompatible substances or mixtures

Do not handle other substances or mixtures at the same time. Keep away from other substances and mixtures
- c. Operations and conditions that could create new risks

Do not allow opened, part used or the container in use to come into contact with other materials including the Part A container and all surfaces around. Ensure the containers are tightly sealed during transport and storage in vehicles. Ensure the containers are placed to not fall over in storage and in transport to / from vans and in vans
- d. Reduce risk of release to the environment

Ensure the floor at storage, transport and the work location will not allow access to drains or water courses. Lay heavy gauge plastic sheeting or similarly impervious protective covering. Contain and clean up spillage as Section 6.1 of the MSDS

#### 7.2 Conditions for Safe Storage, Including Any Incompatibilities

- a. Storage conditions

Store in a cool, well ventilated area. Must only be stored in original containers. Keep container tightly closed including part used containers. The floor of the storage area to be impermeable to prevent the escape of spillage / liquids
  - b. Control of the effects of weather, ambient pressure, temperature, sunlight, humidity and vibration

Ensure opened containers are tightly sealed against vibration spillage during transport when loading / unloading vehicles, during transport and moving from vehicle to the work location. Unopened containers to be protected against damage during the same movements
  - c. Storage with other substances and mixtures

Store in the original packaging. Store against falling / touching other materials and in an allocated location
  - d. Storage room design, quantity limits, ventilation and packaging compatibilities

Storage room to be dry, cool, well ventilated, and constructed to have impermeable floors and walls to prevent the escape of spillages into the environment
  - e. Other considerations

Use of the stock must be by manufacturing date or expiry date rotation. Containers past their expiry date must be removed for disposal according to Section 13 of the MSDS. No other data available
- 7.3 Specific End Use(es) Hardener component of a two-component, solvent free, epoxy resin based floor coating

### 8. PERSONAL PROTECTION/EXPOSURE CONTROL

#### 8.1 Control Parameters

Workplace Exposure Limits (WEL) NDA, the constituent substances are not on HSE EH40 WEL Table.

# Epoxy Top Coat (Part B)

## High Build Epoxy Floor Coating (Part B)

### DNEL / PNEC

Substance: Benzyl Alcohol				
Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	22 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation (repeated dose, Acute)	110 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (repeated dose)	8 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (repeated dose, Accute)	40 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	5.4 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation (repeated dose, Acute)	27 mg/m <sup>3</sup>	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	-	-

Substance: 3-aminomethyl-3,5,5-trimethylcyclohexylamine				
Type	Exposure	Value	Population	Effect
DNEL	Inhalation	0.073 mg/m <sup>3</sup>	Workers	Local
DNEL	Oral (repeated dose)	0.526 mg/kg bw/day	General population	Systemic
PNEC	Fresh water	0.06mg/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)	4 mg/kg bw/day	-	-

Substance: M-phenylenebis(methylamine)				
Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	1.2 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (developmental tox)	0.33 mg/kg bw/day	General population	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	-	-

Substance: 4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with m-phenylenebis(methylamine)				
Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	3.27 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (repeated dose)	0.47 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	0.58 mg/m <sup>3</sup>	General population	Systemic
DNEL	Dermal (repeated dose)	0.167 mg/kg bw/day	General population	Systemic
DNEL	Oral (repeated dose)	0.167 mg/kg bw/day	General population	Systemic
(continued)				

# Epoxy Top Coat (Part B)

## High Build Epoxy Floor Coating (Part B)

PNEC	Fresh water	0.001 mg/L	-	-
PNEC	Fresh water sediments	0.007 mg/kg sediment	-	-
PNEC	Marine sediments	0.001 mg/kg sediment	-	-
PNEC	Soil (agricultural)	0.001 mg/kg soil dw	-	-

Substance: Salicylic acid				
Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	5 mg/m <sup>3</sup>	Workers	Local
DNEL	Dermal (repeated dose)	2.3 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	4 mg/m <sup>3</sup>	General population	Systemic
DNEL	Dermal (repeated dose)	1 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	1 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	0.2 mg/L	-	-
PNEC	Marine water	0.02 mg/L	-	-
PNEC	Fresh water sediments	1.42 mg/kg sediment	-	-
PNEC	Marine sediments	0.142 mg/kg sediment	-	-
PNEC	Soil (agricultural)	0.166 mg/kg soil dw	-	-

### 8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls Ensure there is sufficient ventilation in the area, including forced ventilation if necessary or in an enclosed space. Ensure lighting and electrical equipment are not a source of ignition. Ensure all engineering measures mentioned in Section 7 of the MSDS are in place

Isolate the work area with warning signage against unauthorised access. Ensure all other persons are pre-notified of the works and remain clear of the work area

### 8.2.2 Personal Protective Equipment

#### a. Eye / face protection

Tightly fitting safety goggles EN166. Ensure eye bath facilities are available

#### b. Skin protection

##### (i) Hand Protection

To be impermeable and resistant to the product / substance / mixture. Due to missing tests no recommendation to the glove material can be given. Selection of the glove material to be on consideration of the penetration times, rates of diffusion and the degradation

##### Material of gloves

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC, this being repealed by EU 2016/425 on 21/04/2018, and the resultant standard EN 374

The selection of the suitable gloves does not only depend upon the material, but also further marks of quality and varies from manufacturer to manufacturer

Break through, and other characteristics, depending upon material density and the glove type, and must be determined in each case

Gloves must be inspected prior to each time used and must be replaced when damaged or worn out

Impermeable gloves, solvent-resistant, EN 374

##### Penetration time of gloves

Breakthrough time of the glove material > 2 hours

##### (ii) Other

Impermeable protective clothing

Good hygiene measures should be followed at all time

#### c. Respiratory protection

N/A

# Epoxy Top Coat (Part B)

## High Build Epoxy Floor Coating (Part B)

- |                    |   |
|--------------------|---|
| d. Thermal hazards | NDA   |
| e. Environmental   | Refer to specific Member State legislation for requirements under Community environmental legislation |

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on Basic Physical and Chemical Properties

- |   |                                |
|---|--------------------------------|
| • Appearance                            |                                |
| (i) Form                                | Liquid                         |
| (ii) Colour                             | Pale yellow                    |
| • Odour                                 | Characteristic odour           |
| • Odour threshold                       | NDA                            |
| • pH                                    | NDA                            |
| • Melting point/range °C                | NDA                            |
| • Freezing point/range °C               | NDA                            |
| • Initial boiling point/range °C        | NDA                            |
| • Flash point/self-ignition °C          | NDA                            |
| • Evaporation rate                      | Slow                           |
| • Flammability (solid, gas)             | NDA                            |
| • Flammability limits, lower %          | 1.2                            |
| • Flammability limits, upper %          | 13                             |
| • Auto flammability °C                  | 380                            |
| • Decomposition temperature             | NDA                            |
| • Explosive properties                  | NDA                            |
| • Oxidising properties                  | Non-oxidising (by EC criteria) |
| • Vapour pressure                       | NDA                            |
| • Vapour density                        | NDA                            |
| • Relative density                      | 1.060                          |
| • Solubility in water                   | Not miscible                   |
| • Partition coefficient n-octanol/water | NDA                            |
| • Also soluble in                       | NDA                            |
| • Viscosity                             | Non-viscous                    |
| • Kinematic viscosity                   | 200 mPa.s                      |
| • VOC g/l                               | NDA                            |

9.2 Other Information N/A

### 10. STABILITY AND REACTIVITY

- |   |   |
|---|---|
| 10.1 Reactivity                         | Stable under recommended transport or storage conditions  |
| 10.2 Chemical Stability                 | Stable under recommended transport, storage and usage conditions and when protected against the materials or conditions listed below                              |
| 10.3 Possibility of Hazardous Reactions | Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to the materials and conditions listed below |
| 10.4 Conditions to Avoid                | Heat  |

# Epoxy Top Coat (Part B)

## High Build Epoxy Floor Coating (Part B)

10.5 Incompatible Materials to Avoid Strong oxidising agents. Strong acids

10.6 Hazardous Decomposition Products In combustion emits toxic fumes

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on Toxicological Effects

- Acute toxicity

Hazardous ingredients

Hazardous Ingredient	Test			Result
Benzyl Alcohol	Intravenous	Rat	LD50	53 mg/kg
	Oral	Mouse	LD50	1,360 mg/kg
	Oral	Rat	LD50	1,230 ml/kg

Relevant hazards for product

Hazard	Route	Basis
Acute toxicity (Acute Tox, 4)	ING	Hazardous: calculated
Skin corrosion / irritation	Dermal Route Migration	Hazardous: calculated
Serious eye damage / irritation	Optical	Hazardous: calculated
Respiratory / skin sensitisation	Dermal Route Migration	Hazardous: calculated

Excluded hazards for product

Hazard	Route	Basis
Acute toxicity (ac. tox. 3)	-	Based on available data the classification criteria is not met
Acute toxicity (ac. tox. 2)	-	Based on available data the classification criteria is not met
Acute toxicity (ac. tox. 1)	-	Based on available data the classification criteria is not met
Germ cell mutagenicity	-	Based on available data the classification criteria is not met
Carcinogenicity	-	Based on available data the classification criteria is not met
Reproductive toxicity	-	Based on available data the classification criteria is not met
STOT single exposure	-	Based on available data the classification criteria is not met
STOT repeated exposure	-	Based on available data the classification criteria is not met
Aspiration hazard	-	Based on available data the classification criteria is not met

Symptoms / routes of exposure

- Skin corrosion / irritation Blistering may occur. Progressive ulceration will occur if treatment is not immediate
- Serious eye damage / irritation Corneal burns may occur. May cause permanent damage. There may be severe pain. The eyes may water profusely. The vision may become blurred. May cause permanent blindness
- Ingestion Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding of the mouth or nose
- Respiratory or skin sensitisation There may be shortness of breathe with a burning sensation in the throat. Exposure may cause coughing or wheezing
- Delayed / immediate Immediate effects can be expected after short-term exposure. Delayed effects can be expected after short-term exposure
- Other information N/A

# Epoxy Top Coat (Part B)

## High Build Epoxy Floor Coating (Part B)

### 12. ECOLOGICAL INFORMATION

#### 2.1 Ecotoxicity

Hazardous ingredients	Test		Results
M-phenylenebis(methylamine)	Daphnia magna	48H EC50	15.2 mg/l
	Green alga (Selenastrum capricornutum)	72H ErC50	20.3 mg/l
	Orycias Latipes	96H LC50	87.6 mg/l

12.2 Persistence and Biodegradability Biodegradable

12.3 Bioaccumulative Potential No bioaccumulation potential

12.4 Mobility in Soil Readily absorbed in soil

12.5 Results of PBT & vPvT Assessment This product is not identified as a PBT/vPvB substance

12.6 Other Adverse Effects Negligible ecotoxicity

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste Treatment Methods

- Recovery operations Treat as Section 6: Accidental Release Measures. Recovery is not applicable
- Disposal method for material Transfer to a suitable closed container for storage / isolation and arrange for collection by a specialist disposal organisation. The closed containers to be labelled with the contents  
  
Physico-chemical treatment not specified elsewhere here which results in final compounds or mixtures which are discarded by means of any other possible disposal operations (e.g. evaporatin, drying, calcinatin, etc.)
- Disposal of packaging Treat the same as disposal of the material, see above
- Waste code number 701-HB Part B and the mixed product: 08 02 99  
Packaging - metal container with remnants: 15 0110
- Special precautions for the disposal method Ensure substances or mixtures are not mixed with other materials and not held in the same outer container with other materials
- NB The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

### 14. TRANSPORT INFORMATION

14.1 UN Number UN2735

14.2 UN Proper Shipping Name Amines, liquid, corrosive, N.O.S

4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with m-phenlenebis(methylamine)

14.3 Transportation Hazard Class(es) 8

14.4 Packing Group II

#### 14.5 Environmental Hazards

- Environmentally hazardous No
- Marine pollutant No

#### 14.6 Special Precautions for User

- Special precautions No special precautions
- Tunnel code E
- Transport category 2

# Epoxy Top Coat (Part B)

## High Build Epoxy Floor Coating (Part B)

### 14.7 Transport in Bulk According to:

- (i) Annex II of Marpol NDA
- (ii) the IBC Code NDA

## 15. REGULATORY INFORMATION

### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance, Mixture or Article

COMMISSION REGULATION (EU) No 2015/830 of 28/05/2015 amending Regulation (EC) No 1907/2006 and repealing (EU) 453/2010 20 May 2010 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/ EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

- Other regulations, limitations and prohibitive regulations

N/A

### 15.2 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

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

### Phrases Used in Sections 2 & 3

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  
H411: Toxic to aquatic life with long lasting effects  
H412: Harmful to aquatic life with long lasting effects

### Notice

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process

### Abbreviations & Acronyms

bw: body weight  
dw: dry weight  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
CLP: EU Regulation 1272/2008: Classification, Labelling & packaging of chemical substances  
Corr.: Corrosive  
Dam.: Damage  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Level (REACH)  
EINECS: European Inventory of Existing Commercial Chemical Substances  
(continued)



# Epoxy Top Coat (Part B)

## High Build Epoxy Floor Coating (Part B)

HSE: (UK) Health & Safety Executive

MSDS: Material Safety Data Sheet

N/A: Not Applicable

NDA: No Data Available

PBT: Persistent, Bioaccumulative and Toxic substances

vPvB: Very Persistent and very Bioaccumulative substances

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals:  
Regulation (EC) No 1907/2006

Sens.: Sensitisation

Tox.: Toxicity

96H LC50: Lethal Exposure, 50% affected after 96 hours

48H EC50 / 72H ErC50: Tests to determine substance concentrations  
(H = hours) resulting 50% reduction in growth rate of the test  
organism, e.g. aquatic algae or daphnia etc.

### Changes Compared to the Previous Version

Date	Replaces	Sections	Item	Change	Comment
03/04/19	Rev 2.0	Part A, 8.1	PNEC	missing unit of measure element in Part A added: mg/ <sup>3</sup> now mg/m <sup>3</sup>	Part B Rev. Nbr. updated to align with pART a Rev. Nbr.  No change to Part B.