



# RESIN8 DOMING EPOXY HARDENER

## SAFETY DATA SHEET

Compilation date: 15/12/2015

Revision date: 27/02/2017

Revision No: 3

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name: Resin8 Doming Epoxy Hardener

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against.

Use of substance / mixture: PC1: Adhesives, sealants. PC9a: Coatings and paints, thinners, paint removers. PC9b: Fillers, putties, plasters, modelling clay. PC32: Polymer preparations and compounds. PROC1: Use in closed process, no likelihood of exposure PROC2: Use in closed, continuous process with occasional controlled exposure PROC3: Use in closed batch process (synthesis or formulation) PROC4: Use in batch and other process (synthesis) where opportunity for exposure arises PROC5: Mixing or blending in batch processes for formulation of preparations\* and articles (multistage and/or significant contact) PROC8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC10: Roller application or brushing PROC13: Treatment of articles by dipping and pouring PROC19: Hand-mixing with intimate contact and only PPE available ERC2: Formulation of preparations\* ERC3: Formulation in materials ERC5: Industrial use resulting in inclusion into or onto a matrix ERC6d: Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers

#### 1.3. Details of the supplier of the safety data sheet

**Company name:** Resin8 Craft Supplies Ltd  
Unit B4, Withytree Farm, Winchcombe, Gloucestershire, GL54 5NT  
United Kingdom

**Tel:** +44( 1242 ) 603624

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#### 1.4. Emergency telephone number

Emergency tel: +44 ( 1242 ) 603624 (U.K office hours only)

### Section 2: Hazardous identification

#### 2.1 Classification of the substance or mixture

**Classification under CLP:** Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Corr. 1A: 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.

#### 2.2. Label elements

**Label elements under CLP:**

**Hazard statements:**

H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye damage.

**Signal words:**

Danger

**Hazard pictograms:**

GHS07: Exclamation mark  
GHS05: Corrosion



**Precautionary statements:**

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302 + 312: IF SWALLOWED: Call a doctor if you feel unwell.  
P301 + 330 + 331: IF SWALLOWED: rinse mouth. DO NOT induce vomiting.  
P302 + 352: IF ON SKIN: Wash with plenty of water.  
P303 + 361 + 353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

#### 2.3. Other hazards

**PBT:**

This substance is not identified as a PBT/vPvB substance.

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### Section 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous ingredients:

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

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 – REACH registered number(s): 01-2119514687-32

EINECS	CAS	PBT / WEL	CLP Classification	Percent
220-666-8	2855-13-2	-	Acute Tox. 4: H332; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412	1-25%

1,3-CYCLOHEXANEDIMETHANAMINE – REACH registered number(s): 01-2119543741-41

EINECS	CAS	PBT / WEL	CLP Classification	Percent
219-941-5	2579-20-6	-	Skin Corr. 1A: H314; Eye Dam. 1: H318; Acute Tox. 4: H302; Acute Tox. 4: H312; Aquatic Chronic 3: H412	1-25%

N'-(3-AMINOPROPYL)-N,N-DIMETHYLPROPANE-1,3,-DIAMINE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
234-148-4	10563-29-8		Acute Tox. 4: H302; Skin Sens. 1: H317; Skin Corr. 1A: H314; Eye Dam. 1: H318; Acute Tox. 4: H312	1-25%

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## Section 4: First aid measures

### 4.1. Description of first aid measures

<b>Eye Contact:</b>	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
<b>Skin Contact:</b>	Remove all contaminated clothing and shoes 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.
<b>Inhalation:</b>	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.
<b>Ingestion:</b>	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.

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

<b>Eye Contact:</b>	Corneal burns may occur. May cause permanent damage.
<b>Skin Contact:</b>	Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
<b>Inhalation:</b>	There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.
<b>Ingestion:</b>	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
<b>Delayed / immediate effects:</b>	Immediate effects can be expected after short-term exposure.

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

**Immediate/ special treatment:** Eye bathing equipment should be available on the premises.

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## 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

**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 the SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

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

**Methods and material for containment and cleaning up:** 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:** Refer to section 8 of the SDS.

## Section 7: Handling and storage

**Handling:** 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.

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

**Packaging materials Recommended:** Use original container.

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**DNEL/PNEC Values**

**HAZARDOUS INGREDIENTS:**

**BENZYL ALCOHOL**

Type	Exposure	Value	Population	Effect
DNEL	Dermal	9.5 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	90 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal	5.7 mg/kg bw/day	Consumers	Systemic
DNEL	Inhalation	8.11 mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Oral	5 mg/kg bw/day	Consumers	Systemic
DNEL	Fresh water	1 mg/l	-	-
DNEL	Marine water	0.1 mg/l	-	-
PNEC	Microorganisms in sewage treatment	39 mg/l	-	-
PNEC	Fresh water sediments	5.27 mg/kg	-	-
PNEC	Marine sediments	0.527 mg/kg	-	-
PNEC	Soil (agricultural)	0.456 mg/kg	-	-

**3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	20.1 mg/m <sup>3</sup>	Workers	
DNEL	Fresh water	0.06 mg/l	-	-
DNEL	Marine water	0.006 mg/l	-	-

**Exposure Controls**

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

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

**Hand protection:** Impermeable gloves.

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

**Skin protection:** Impermeable protective clothing.

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**Environmental:** The floor of the storage room must be impermeable to prevent the escape of liquids.

### Section 9: Physical and chemical properties

**State:** Liquid  
**Colour:** Pale yellow  
**Odour:** Characteristic odour  
**Viscosity:** 250 mPa.s (25 degrees C)  
**Boiling point/range°C:** >200  
**Relative density:** 1.01 – 1.05 g/cm<sup>3</sup>  
**Flammability limits % lower:** 1.2 vol%      **upper:** 13.0 vol%  
**Flash point degrees C:** >100  
**Vapour pressure:** 0.1 hPa

### Section 10: Stability and reactivity

**Stability and Reactivity:** Stable under recommended transport or storage conditions.  
**Hazardous Reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.  
**Incompatibility with Various Substances:** Strong oxidising agents. Strong acids  
**Conditions to avoid:** Heat  
**Hazardous Decomposition Products:** In combustion emits toxic fumes.

### Section 11: Toxicological information

#### 11.1. Information on toxicological effects

BENZYL ALCOHOL

DERMAL	RBT	LD50	1260	mg/kg
DUST/MIST	RAT	4H LC50	>4178	mg/kg
IVN	RAT	LD50	53	mg/kg
ORAL	RBT	LD50	1040	mg/kg
ORL	MUS	LD50	1040	mg/kg
ORL	RAT	LD50	1230	mg/kg

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3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE – REACH registered number(s): 01-2119514687-32

DERMAL	RBT	LD50	1840	mg/kg
ORAL	RAT	LD50	1030	mg/kg

1,3-CYCLOHEXANEDIMETHANAMINE – REACH registered number(s): 01-2119543741-41

DERMAL	RAT	LD50	1700	mg/kg
ORAL	RAT	LD50	700	mg/kg

N'-(3-AMINOPROPYL)-N,N-DIMETHYLPROPANE-1,3,-DIAMINE

DERMAL	RBT	LD50	1310	mg/kg
ORAL	RAT	LD50	1670	mg/kg

#### 11.2. Relevant hazards for product:

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

#### Symptoms / routes of exposure

<b>Eye Contact:</b>	Corneal burns may occur. May cause permanent damage.
<b>Skin Contact:</b>	Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
<b>Inhalation:</b>	There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.
<b>Ingestion:</b>	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
<b>Delayed / immediate effects:</b>	Immediate effects can be expected after short-term exposure.

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## Section 12: Ecological information

### 12.1. Toxicity

Hazardous ingredients:

BENZYL ALCOHOL

ALGAE	72H EgC50	770	mg/l
ALGAE	72H NOEC	310	mg/l
DAPHNIA	21D NOEC	51	mg/l
DAPHNIA	48H EC50	230	mg/l
FISH	96H LC50	460	mg/l

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE – REACH registered number(s): 01-2119514687-32

BACTERIA	15H EC10	1120	mg/l
Daphnia magna	48H EC50	23	mg/l
Scenedesmus Subspicatus	72H EC50	>50	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	110	mg/l

1,3-CYCLOHEXANEDIMETHANAMINE – REACH registered number(s): 01-2119543741-41

Leuciscus idus	LC50	130	mg/l
Pseudomonas putida	EC50	90	mg/l

N'-(3-AMINOPROPYL)-N,N-DIMETHYLPROPANE-1,3,-DIAMINE

ALGAE	72H ErC50	21	mg/l
Daphnia magna	48H EC50	9.2	mg/l
GOLDEN ORFE (Leuciscus idus)	96H LC50	220	mg/l

- 12.2. Persistence and degradability:** No data available.
- 12.3. Bioaccumulative potential:** No data available.
- 12.4. Mobility in soil:** No data available.
- 12.5. Results of PBT and vPvB assessment:** This product is not identified as a PBT/vPvB substance.
- 12.6. Other adverse effects:** No data available.

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### Section 13: Disposal considerations

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

**Waste code number:** 08 00 00

**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

UN Number	Proper shipping name	Class	Packing Group
UN2735	AMINES, LIQUID, CORROSIVE, N.O.S. (Contains 1,3-CYCLOHEXANEDIMETHANAMINE)	8	II

**Environmentally hazardous:** NO

**Marine pollutant:** NO

**Special precautions for user:** Tunnel code: E

**Transport Category** 2

### Section 15: Regulatory information

**Hazard symbol(s):**



**Risk phrases:**

Irritant

R36/38- Irritating to eyes and skin.

R43- May cause sensitisation by skin contact.

R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:**

S24- Avoid contact with skin.

S29- Do not empty into drains

S37- Wear suitable gloves.

S46- If swallowed, seek medical advice immediately and show this container or label.

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## Section 16: 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 3:

H302: Harmful if swallowed.

H312: Harmful if 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.

H412: Harmful to aquatic life with long lasting effects.

### Notice to reader:

To the best of our knowledge, the information contained herein is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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