



RESIN8 DOMING EPOXY RESIN

SAFETY DATA SHEET

Compilation date: 15/12/2015

Revision date: 28/03/2017

Revision No: 3

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

1.1. Product identifier

Product name: Resin8 Doming Epoxy Resin

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

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

Email: info@resin8.co.uk

Social Media

 www.facebook.com/resin8craft

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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: 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

Label elements under CLP:

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:

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves.
P302 + 352: IF ON SKIN: Wash with plenty of 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.
P321: Specific treatment (see instructions).

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:

BISPHENOL A- (EPICHLORHYDRIN) {REACTION PRODUCT}

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%

FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROANE AND PHENOL – REACH registered number(s): 01-2119454392-40

EINECS	CAS	PBT / WEL	CLP Classification	Percent
500-006-8	9003-36-5	-	Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1: H317	1-25%

PROPYLENE CARBONATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-572-1	108-32-7	-	Eye Irrit. 2: H319	1-25%

Section 4: First aid measures

4.1. Description of first aid measures

Eye Contact:	Bathe the eye with running water for 15 minutes. Consult a doctor.
Skin Contact:	Remove all contaminated clothing and shoes immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.
Inhalation:	Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.
Ingestion:	Wash out mouth with water. Consult a doctor.

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

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Eye Contact:	There may be irritation and redness.
Skin Contact:	There may be irritation and redness at the site of contact.
Inhalation:	There may be a feeling of tightness in the chest with shortness of breath. Exposure may cause coughing or wheezing.
Ingestion:	Nausea and stomach pain may occur.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.

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

Immediate/ special treatment: Show this safety data sheet to the doctor in attendance.

Section 5: Fire-fighting measures

5.1. Extinguishing Media

Extinguishing Media: Water spray. Water fog. Dry chemical powder. Carbon dioxide. Alcohol or polymer foam. Alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

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

Section 6: Accidental release measures

Personal precautions:	Mark out the contaminated area with signs and prevent access to unauthorised personnel. Refer to section 8 of the SDS for personal protection details.
Environmental Precautions:	Do not discharge into drains or rivers.
Methods and material for containment and cleaning up:	Mix with sand or vermiculite. Transfer to a closable, labelled salvage container for disposal by an appropriate method.
Reference to other sections:	Refer to section 8 of the SDS. Refer to section 13 of the SDS.

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Section 7: Handling and storage

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

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	70.53 mg/m ³	Workers	Systemic
DNEL	Inhalation	20 mg/m ³	Workers	Local
DNEL	Dermal	20 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	17.4 mg/m ³	Consumers	Systemic
DNEL	Inhalation	10 mg/m ³	Consumers	Local
DNEL	Dermal	10 mg/kg bw/day	Consumers	Systemic
DNEL	Oral	10	Consumers	Systemic
PNEC	Fresh water	0.9 mg/l	-	-
PNEC	Marine water	0.09 mg/l	-	-
PNEC	Microorganisms in sewage treatment	7400 mg/l	-	-
PNEC	Soil (agricultural)	0.81 mg/kg d.w.	-	-

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:	Safety glasses. Goggles, face shield, or the full-face protection if potential exists for direct exposure to aerosols or splashes.
Skin protection:	Protective clothing.

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Section 9: Physical and chemical properties

State:	Liquid
Colour:	Pale yellow
Odour:	Perceptible odour
Viscosity:	1900 mPa.s (25 degrees C)
Boiling point/range°C:	>200
Relative density:	1.14 – 1.18 g/cm ³

Section 10: Stability and reactivity

Stability and Reactivity:	Stable under recommended transport or storage conditions.
Hazardous Reactions:	Polymerisation may occur on exposure to conditions or materials listed below.
Incompatibility with Various Substances:	Amines.
Hazardous Decomposition Products:	In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

BISPHENOL A- (EPICHLORHYDRIN) {REACTION PRODUCT}

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

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

ORL	RAT	LD50	>2000	mg/l
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PROPYLENE CARBONATE

DERMAL	RBT	LD50	>2000	mg/kg
ORL	RAT	LD50	33520	UI/kg

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11.2. 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.
Eye contact:	There may be irritation and redness.
Ingestion:	Nausea and stomach pain may occur.
Inhalation:	There may be a feeling of tightness in the chest with shortness of breath. Exposure may cause coughing or wheezing.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

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

Daphnia magna	96H LC50	>100	mg/l
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PROPYLENE CARBONATE

Daphnia magna	48H EC50	>1000	mg/l
FISH (Cyprinus carpio)	96H LC50	>1000	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H EC50	>900	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.

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- 12.5. Results of PBT and vPvB assessment:** This product is not identified as a PBT/vPvB substance.
- 12.6. Other adverse effects:** Toxic to aquatic organisms.

Section 13: Disposal considerations

- Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.
- 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
UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin)	9	III

- Environmentally hazardous:** YES
- Marine pollutant:** YES
- Special precautions for user:** Tunnel code: E
- Transport Category** 3

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.

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

Contains:

Reaction product: bisphenol A-(epichlorhydrin) 500-033-5

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:

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.

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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