

SAFETY DATA SHEET

EPOXY PUTTY HARDENER RCN EPR+EPH

Compilation date: 10/06/2020 - Revision No: 8

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

1.1. Product identifier

Product name: EPOXY PUTTY HARDENER RCN EPR+EPH
Product code: RCN EPH

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

Use of substance / mixture: To be used in conjunction with Resin Pack

1.3. Details of the supplier of the safety data sheet

Company name: RCN srl
Regione Torame Via Crevacuore
13011 Borgosesia VC
ITALY
R.E.A. Vercelli n. 188464 Reg. Imp. Vercelli
VAT: IT02384130023
Tel: +39 (0) 163 458028
email: rcn@rcn.it

1.4. Emergency telephone number

Emergency tel: +39 (0) 163 458028 (office hours only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 2: H411; Eye Dam. 1: H318; Repr. 2: H361f; Skin Irrit. 2: H315; -: EUH208

Most important adverse effects: Contains 3,6-diazaoctanethylenediamine. May produce an allergic reaction. Causes skin irritation. Causes serious eye damage. Suspected of damaging fertility. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

UFI: XNEF-CV14-2008-QF5M

Hazard statements: EUH208: Contains 3,6-diazaoctanethylenediamine. May produce an allergic reaction.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H361f: Suspected of damaging fertility.
H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS05: Corrosion
GHS08: Health hazard
GHS09: Environmental



Signal words: Danger

Precautionary statements: P102: Keep out of reach of children.
P202: Do not handle until all safety precautions have been read and understood.
P264: Wash hands, forearms and face thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.

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

P310: Immediately call a POISON CENTER or doctor.
P501: Dispose of contents/container to comply with all local, regional, national and international regulations.

Haz. ingredients (label):

4-TERT-BUTYLPHENOL; 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL; 3,6-DIAZAOCCTANETHYLENEDIAMINE

2.3. Other hazards

Other hazards: Danger of serious damage to health by prolonged exposure.

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

SILICA QUARTZ

EINECS	CAS	PBT / WEL	CLP Classification	Percent
238-878-4	14808-60-7	Substance with a Community workplace exposure limit.	-	50-80%

TALC

238-877-9	14807-96-6	Substance with a Community workplace exposure limit.	-	10-30%
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4-TERT-BUTYLPHENOL

202-679-0	98-54-4	-	Repr. 2: H361f; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 1: H410	2.9-10%
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2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

202-013-9	90-72-2	-	Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-2.9%
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3,6-DIAZAOCCTANETHYLENEDIAMINE

203-950-6	112-24-3	-	Acute Tox. 4: H312; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412	<1%
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SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

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.
Eye contact:	There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
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:	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.
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5.2. Special hazards arising from the substance or mixture

Exposure hazards:	In combustion emits toxic fumes.
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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.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions:	Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust. Evacuate the area immediately. Refer to section 8 of SDS for personal protection details.
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6.2. Environmental precautions

Environmental precautions:	Do not discharge into drains or rivers. Alert the neighbourhood to the presence of fumes or gas.
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6.3. Methods and material for containment and cleaning up

Clean-up procedures:	Transfer to a closable, labelled salvage container for disposal by an appropriate method. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.
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6.4. Reference to other sections

Reference to other sections:	Refer to section 8 of SDS.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements:	Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air.
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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:	Store in a cool, well ventilated area. Keep container tightly closed.
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Suitable packaging:	Must only be kept in original packaging.
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7.3. Specific end use(s)

Specific end use(s):	No data available.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

SILICA QUARTZ

Workplace exposure limits:

Respirable dust:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	0,1 mg/m ³	-

TALC

UK	-	-	1 mg/m ³	-
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DNEL/PNEC Values

DNEL / PNEC	No data available.
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8.2. 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. Respiratory protective device with particle filter.
Hand protection:	Impermeable gloves.
Eye protection:	Tightly fitting safety goggles. Ensure eye bath is to hand.
Skin protection:	Impermeable protective clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Paste
Colour:	Pale brown
Odour:	Ammoniacal
Solubility in water:	Insoluble
Flash point°C:	>93
Relative density:	1.82 - 1.88

9.2. Other information

Other information:	No data available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity:	Stable under recommended transport or storage conditions.
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10.2. Chemical stability

Chemical stability:	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

Hazardous reactions:	Polymerisation may occur on exposure to conditions or materials listed below.
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10.4. Conditions to avoid

Conditions to avoid:	Heat. Hot surfaces. Flames.
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10.5. Incompatible materials

Materials to avoid:	Strong oxidising agents. Strong acids.
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10.6. Hazardous decomposition products

Haz. decomp. products:	In combustion emits toxic fumes.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

ORL	RAT	LD50	1200	mg/kg
SKN	RAT	LD50	1280	mg/kg

3,6-DIAZAOCTANETHYLENEDIAMINE

IVN	MUS	LD50	350	mg/kg
ORL	MUS	LD50	1600	mg/kg
ORL	RAT	LD50	2500	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Reproductive toxicity	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Insoluble in water. Heavier than water.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

Waste code number: 08 04 13

Disposal of packaging: Waste Code number 15 01 10 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.

SECTION 14: Transport information

Transport class: This product does not require a classification for transport.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: Contains a substance on the REACH candidate list in concentration \geq 0.1% or with a lower specific limit
Substance name: 4-Tert-butylphenol. Cas No.98-54-4.

15.2. Chemical Safety Assessment

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

SECTION 16: Other information

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH208: Contains 3,6-diazaoctanethylenediamine. May produce an allergic reaction.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H361f: Suspected of damaging fertility.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.