

Cretex EP – Part A



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SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

Product Name: **CRETEX EP – PART A**
 Company Name: Polycote UK
 Centre Point • Wolseley Road
 Woburn Road Industrial Estate
 Kempston • Beds MK42 7EF
 Telephone Number: 01234 846400

SECTION 2: HAZARDS IDENTIFICATION

Classification under CLP: Aquatic Chronic 3: H412; 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. Harmful to aquatic life with long lasting effects.

Label elements under CLP:

Hazard statements: H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H412: Harmful to aquatic life with long lasting effects.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark



Precautionary statements:

P261: Avoid breathing vapours.
 P264: Wash skin thoroughly after handling.
 P280: Wear protective clothing.
 P302+352: IF ON SKIN: Wash with plenty of water/soap and water.
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 PBT: This substance is not identified as a PBT substance.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients:

Einecs	CAS	PBT/WEL	CLP Classification	Percent
2,2'-(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)BISOXIRANE	216-823-5	1675-54-3	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411	10 - 30%
BISPHENOL-F-EPICHLOROHYDRIN RESIN	-	28064-14-4	Skin Irrit. 2: H315; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Sens. 1: H317	1-10%
OXIRANE, MONO[(C12-14ALKYLOXY)METHYL] DERIVATIVES	271-846-8	68609-97-2	Skin Irrit. 2: H315; Skin Sens. 1: H317	1-10%

SECTION 4: FIRST AID MEASURES

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
 Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
 Ingestion: Wash out mouth with water. Consult a doctor.
 Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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 irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects:

Immediate effects can be expected after short-term exposure.

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

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

Exposure hazards: In combustion emits toxic.

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: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.

Environmental precautions: Do not discharge into drains or rivers.

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

SECTION 7: HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

Specific end use(s): No data available.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

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SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

State: Paste
 Colour: Various
 Solubility in water: Not miscible
 Flash point°C: >150

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable under recommended transport or storage conditions.
 Chemical stability: Stable under normal 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.
 Conditions to avoid: Heat.
 Materials to avoid: Strong oxidising agents. Strong acids.
 Haz. decomp. products: In combustion emits toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION**Hazardous ingredients**

BISPHENOL A-(EPICHLORHYDRIN) (REACTION PRODUCT)
 ORL MUS LD50 15600 mg/kg
 ORL RAT LD50 11400 mg/kg
 SKN RBT LD50 >20 ml/kg
 BISPHENOL-F-EPICHLOROHYDRIN RESIN
 ORL RAT LD50 11400 mg/kg
 SKN RAT LD50 1200 mg/kg
 OXIRANE, MONO[(C12-14ALKYLOXY)METHYL] DERIVATIVES
 ORL RAT LD50 17100 mg/kg

Relevant effects for mixture:

Effect	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. The eyes may water profusely.
 Ingestion: There may be soreness and redness of the mouth and throat.
 Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
 Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity values:**

Species	Test	Value	Units
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	1.5-7.7	mg/l

Persistence and degradability: Biodegradable.
 Bioaccumulative potential: No bioaccumulation potential.
 Mobility: Insoluble in water.
 PBT identification: This substance is not identified as a PBT/vPvB substance.
 Other adverse effects: Negligible ecotoxicity.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.
 Waste code number: 08 04 09
 Disposal of packaging: Normally this resin material will be mixed in its own pot with its hardener. When this is done the resultant material in the pot is inert and the label must be defaced and pot and remnant may be disposed of as normal industrial waste. Empty packaging contaminated with residues of hazardous substances are classified with waste code number 15-01-10 (plastic and metal).
 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

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: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.
 This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

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.
 H412: Harmful to aquatic life with long lasting effects.

The Safety Data above is applicable to the product only as used according to the purposes and methods described on the relevant Technical Data Sheet, available from Polycote UK on request.

The information above is based on our present knowledge and is believed to be correct but does not purport to be all inclusive and should only be used as a guide. No warranty is implied with respect to the specification of the product. It is intended to describe the product solely in terms of its safety requirements and relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. This data does not constitute the users own assessment of workplace risk as required by other Health and Safety legislation, nor is it a sales specification or indication of suitability for any particular use. The user must satisfy himself as to the suitability of the product for his purpose. No legally valid contractual relationship is established by the above data, and Polycote UK shall not be held liable for any damage resulting from handling or from contact with the above product.

Date of Issue: June 2017

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MATERIAL SAFETY DATA SHEET

Cretex EP – Part B



SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

Product Name: **CRETEx EP – PART B**
 Company Name: Polycote UK
 Centre Point • Wolveley Road
 Woburn Road Industrial Estate
 Kempston • Beds MK42 7EF
 Telephone Number: 01234 846400

SECTION 2: HAZARDS IDENTIFICATION

Classification under CLP: Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317

Most important adverse effects:

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Toxic to aquatic life with long lasting effects.

Label elements:

Hazard statements: H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H411: Toxic to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion
 GHS07: Exclamation mark
 GHS09: Environmental



Precautionary statements:

P261: Avoid breathing vapours.
 P280: Wear protective clothing.
 P302+352: IF ON SKIN: Wash with plenty of water/soap and water.
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310: Immediately call a POISON CENTRE/doctor/111.
 PBT: This substance is not identified as a PBT/vPvB substance.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients:

Einecs	CAS	PBT/WEL	CLP Class.	Percent
X-PHENOL, STYRENATED				
262-975-0	61788-44-1	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319	1-10%
BIS(ISOPROPYL)NAPHTHALENE				
254-052-6	38640-62-9	-	Asp. Tox. 1: H304; Aquatic Chronic 1: H410	1-10%
4,4'-ISOPROPYLIDENEDIPHENOL, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE, REACTION PRODUCTS WITH DIETHYLENETRIAMINE				
500-072-8	31326-29-1	-	Acute Tox. 4: H302; Skin Corr. 1B: H314; STOT SE 3: H335	1-10%
2,2'-IMINODIETHYLAMINE				
203-865-4	111-40-0	-	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317	1-10%

SECTION 4: FIRST AID MEASURES

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
 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 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.

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:

Delayed effects can be expected after long-term exposure.

Immediate / special treatment: Not applicable.

SECTION 5: FIRE FIGHTING MEASURES

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

Exposure hazards: In combustion emits toxic fumes.

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. Do not attempt to take action without suitable protective clothing – see section 8 of SDS. Do not create dust. Refer to section 8 of SDS for personal protection details.

Environmental precautions: Do not discharge into drains or rivers.

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

SECTION 7: HANDLING AND STORAGE

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.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

Specific end use(s): Only for use as a two part solvent free epoxy resin repair mortar.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Hazardous ingredients: 2,2'-IMINODIETHYLAMINE

Workplace exposure limits:	Respirable dust				
	State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	4.3mg/m ³	-	-	-	-

DNEL/PNEC values:

Hazardous ingredients: BIS(ISOPROPYL)NAPHTHALENE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	300mg/m ³	Workers	Systemic

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION – Cont.

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: Protective gloves.
 Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.
 Skin protection: Protective clothing.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

State: Paste
 Colour: Brown

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable under recommended transport or storage conditions.
 Chemical stability: Stable under normal 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.
 Conditions to avoid: Heat.
 Materials to avoid: Strong oxidising agents. Strong acids.
 Haz. decomp. products: In combustion emits toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Hazardous ingredients:
 2,2'-IMINODIETHYLAMINE

IPR	RAT	LD50	74 mg/kg
ORL	MUS	LD50	970 mg/kg
ORL	RAT	LD50	970 mg/kg

Relevant effects for mixture:

Effect	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 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 shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.
 Delayed/immediate effects: Delayed effects can be expected after long-term exposure.

SECTION 12: ECOLOGICAL INFORMATION

Persistence and degradability: Biodegradable.
 Bioaccumulative potential: No bioaccumulation potential.
 Mobility: Heavier than water.
 PBT identification: This substance is not identified as a PBT/vPvB substance.
 Other adverse effects: Negligible ecotoxicity.

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: UN3077
 Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (BIS(ISOPROPYL)-NAPHTHALENE; PHENOL, STYRENATED)
 Transport class: 9
 Packing group: III
 Environmentally hazardous: Yes
 Marine pollutant: No
 Special precautions: No special precautions.
 Tunnel code: E
 Transport category: 3

SECTION 15: REGULATORY INFORMATION

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: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010 and (EC) No 1272/2008.

Phrases used in s.2 and 3:
 H302: Harmful if swallowed.
 H304: May be fatal if swallowed and enters airways.
 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.
 H335: May cause respiratory irritation.
 H410: Very toxic to aquatic life with long lasting effects.
 H411: Toxic to aquatic life with long lasting effects.

The Safety Data above is applicable to the product only as used according to the purposes and methods described on the relevant Technical Data Sheet, available from Polycote UK on request.

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