

MATERIAL SAFETY DATA SHEET

113 3200A

Cretex OT Mortar – Part A

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

Product Name: **CRETEX OT MORTAR – 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:**

Acute Tox. 4: H312; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317

Most important adverse effects:

Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard pictograms:

Signal word: Warning

Hazard statements: H312: Harmful in contact with skin.

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.

Precautionary statements:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+350: IF ON SKIN: Gently wash with plenty of soap and water.

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.

P312: Call a POISON CENTER/doctor if you feel unwell.

P321: Specific treatment (see instructions on this label).

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

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**Chemical Name:**

EINECS	CAS No:	Classification	Percent
BISPHENOL A-(EPICHLORHYDRIN) (REACTION PRODUCT)			
500-033-5	25068-38-6	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411	50 - 70%
PHENOL FORMALDEHYDE POLYMER GLYCIDYL ETHER			
500-006-8	9003-36-5	Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411	10 - 30%
OXIRANE, MONO[(C12-14ALKYLOXY)METHYL] DERIVATIVES			
271-846-8	68609-97-2	Skin Irrit. 2: H315; Skin Sens. 1: H317	10 - 30%

SECTION 4: FIRST AID MEASURES

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

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Do not induce vomiting. Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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.

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

Inhalation: No symptoms.

Delayed / immediate effects:

Immediate effects can be expected after short-term exposure.

Immediate / special treatment:

Show this safety data sheet to the doctor in attendance. 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 fumes.

Advice for firefighters: 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.

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

Methods for cleaning up: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

SECTION 7: HANDLING AND STORAGE

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

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

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls: No data available.

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: Nitrile gloves.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

Environmental: Refer to specific Member State legislation for requirements under Community environmental legislation.

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SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

State: Liquid
 Colour: Yellowish
 Odour: No information available
 Boiling point: 250-300°C
 Flash point: >150°C
 Relative density: 1.14 - 1.16 (Water = 1 @ 20 °C)
 Solubility: Partly miscible in water
 VOC (Volatile organic compounds): 80 g/l
 Water solubility: Immisible in water.
 VOC: Where VOC values are given these are calculated and are typical for the mixed product(s) covered by this data sheet.

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.
 Conditions to avoid: Heat. Flames.
 Materials to avoid: Acids. Oxidising agents.
 Haz. decomp. products: In combustion emits toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity values:
 Dermal Rat LD50: >1200mg/kg Oral Rat LD50: 11400mg/kg

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
 OXIRANE, MONO[(C12-14ALKYLOXY)METHYL] DERIVATIVES
 ORL RAT LD50 17100 mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated
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: There may be soreness and redness of the mouth and throat.
 Inhalation: No symptoms.
 Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Species	Test	Value	Units
DAPHNIA	48H EC50	2.1	mg/l
FISH	96H LC50	1.300	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	1.3	mg/l

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: UN3082
 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 Transport hazard class: 9
 Packing group: III
 Environmental hazard: Yes
 Marine pollutant: No
 Tunnel category: E
 Transport category: 3

SECTION 15: REGULATORY INFORMATION

No information available.

SECTION 16: OTHER INFORMATION

Phrases used
 in s.2 and s.3: H312: Harmful in contact with skin.
 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.

All the foregoing information should be regarded as being applicable to the uncured mixed product as well as to the individual components.

This material may form part of a multi component pack, and is supplied in the correct proportions for that pack. Please check all of the product labels to ensure that the correct components and pack sizes are being used. Select and use appropriate pack sizes to minimise waste and operator exposure, do not split packs. Use in batch order.

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

Polycote UK

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 Technical Helpline: 01234 846400

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MATERIAL SAFETY DATA SHEET

113 3200B

Cretex OT Mortar – Part B


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

Product Name: **CRETEX OT MORTAR – PART B**
 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:

Acute Tox. 4: H312; Aquatic Chronic 2: H411; Repr. 2: H361f; Skin Corr. 1B: H314; Skin Sens. 1: H317; STOT RE 2: H373

Most important adverse effects:

Harmful by inhalation and if swallowed. Causes burns. May cause sensitisation by skin contact. Harmful: danger of serious damage to health by prolonged exposure if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility.

Hazard pictograms:


Signal word: Danger

Hazard statements: H312: Harmful in contact with skin.
 H314: Causes severe skin burns and eye damage.
 H317: May cause an allergic skin reaction.
 H361f: Suspected of damaging fertility.
 H373: May cause damage to organs through prolonged or repeated exposure.
 H411: Toxic to aquatic life with long lasting effects.

Precautionary statements:

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
 P280: Wear protective gloves/protective clothing/eye protection/face 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.
 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.

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

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS
Chemical Name:

EINECS	CAS No:	Classification	Percent
BENZYL ALCOHOL			
202-859-9	100-51-6	Acute Tox. 4: H332; Acute Tox. 4: H302	10 -30%
TOFA,REACTION PRODUCTS WITH TEPA			
-	68953-36-6	Skin Corr. 1C: H314; Skin Sens. 1: H317; Aquatic Chronic 1: H410	10 - 30%
FORMALDEHYDE,POLYMER WITH BENZENEAMINE ,HYDROGENATED			
-	135108-88-2	Acute Tox. 4: H302; Skin Sens. 1: H317; STOT RE 2: H373; Aquatic Chronic 3: H412	10 - 30%

2-PIPERAZIN-1-YLETHYLAMINE	205-411-0	140-31-8	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412	1 - 10%
4,4'-ISOPROPYLIDENEDIPHENOL	201-245-8	80-05-7	Repr. 2: H361f; STOT SE 3: H335; Eye Dam. 1: H318; Skin Sens. 1: H317	1 - 10%
3-AMINOPROPYLDIMETHYLAMINE	203-680-9	109-55-7	Flam. Liq. 3: H226; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317	1 - 10%
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 - 10%
3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE	203-986-2	112-57-2	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 2: H411	1 - 10%
NONYLPHENOL	246-672-0	25154-52-3	Repr. 2: H361fd; Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	1 - 10%

SECTION 4: FIRST AID MEASURES

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

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Do not induce vomiting. Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: The eyes may water profusely. There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. Corrosive burns may appear around the lips.

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.

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

Advice for firefighters: 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.

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

Methods for cleaning up: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

Polycote Cretex OT Mortar – Part B Cont.**SECTION 7: HANDLING AND STORAGE**

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

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

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Workplace exposure limits:			Respirable dust		
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL	
UK	10ppm	–	–	–	

Hazardous ingredients:

4,4'-ISOPROPYLIDENEDIPHENOL

Workplace exposure limits:

Workplace exposure limits:			Respirable dust		
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL	
UK	5 mg/m ³	5 mg/m ³	–	–	

DNEL/PNEC Values**Hazardous ingredients:**

2-PIPERAZIN-1-YLETHYLAMINE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	20mg/kg	Workers	–
DNEL	Inhalation	21.4mg/m ³	Workers	–

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: Nitrile gloves.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

Environmental: Refer to specific Member State legislation for requirements under Community environmental legislation.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

State: Liquid

Colour: Amber

Odour: Ammoniacal

Flash point: >105°C

Relative density: 1.02 - 1.04 (Water = 1 @ 20 °C)

Viscosity: Non-viscous

Solubility: Partly miscible in water

VOC (Volatile organic compounds): 91 g/l

VOC: Where VOC values are given these are calculated and are typical for the mixed product(s) covered by this data sheet.

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.

Conditions to avoid: Heat. Flames.

Materials to avoid: Acids. Oxidising agents.

Haz. decomp. products: In combustion emits toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION**Toxicity values:**

Route	Species	Test	Value	Units
DERMAL	RAT	LD50	1620	mg/kg
DERMAL	RBT	LD50	1242	mg/kg
ORAL	RAT	LD50	2169	mg/kg

Hazardous ingredients:

BENZYL ALCOHOL

IVN	RAT	LD50	53	mg/kg
ORL	MUS	LD50	1360	mg/kg
ORL	RAT	LD50	1230	mg/kg

2-PIPERAZIN-1-YLETHYLAMINE

DERMAL	RBT	LD50	866	mg/kg
ORAL	RAT	LD50	>1470	mg/kg
ORAL	RBT	LD50	2097	mg/kg

4,4'-ISOPROPYLIDENEDIPHENOL

ORL	MUS	LD50	2400	mg/kg
ORL	RAT	LD50	3250	mg/kg

3-AMINOPROPYLDIMETHYLAMINE

ORL	RAT	LD50	1870	mg/kg
SKN	RBT	LD50	600	µl/kg

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

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

3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE

IPR	RAT	LD50	205	mg/kg
IVN	MUS	LD50	320	mg/kg
ORL	RAT	LD50	3990	mg/kg

NONYLPHENOL

ORL	MUS	LD50	1231	mg/kg
ORL	RAT	LD50	580	mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	INH ING	Hazardous: calculated
Corrosivity	OPT INH DRM	Hazardous: calculated
Sensitisation	DRM	Hazardous: calculated
Repeated dose toxicity	ING	Hazardous: calculated
Toxicity for reproduction	–	Hazardous: calculated

Symptoms / routes of exposure:

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: The eyes may water profusely. There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. Corrosive burns may appear around the lips.

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

Ecotoxicity values: No data available.

Bioaccumulative potential: No data available.

Mobility: Do not let product contaminate sub soil.

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

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Polycote Cretex OT Mortar – Part B Cont.

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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: UN2735

UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.

Transport hazard class: 8

Packing group: III

Environmental hazard: No

Marine pollutant: No

Tunnel category: E

Transport category: 3

SECTION 15: REGULATORY INFORMATION

No information available.

SECTION 16: OTHER INFORMATION

Phrases used

in s.2 and s.3: H226: Flammable liquid and vapour.
 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.
 H332: Harmful if inhaled.
 H335: May cause respiratory irritation.
 H361f: Suspected of damaging fertility.
 H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child.
 H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
 H400: Very toxic to aquatic life.
 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.

All the foregoing information should be regarded as being applicable to the uncured mixed product as well as to the individual components.

This material may form part of a multi component pack, and is supplied in the correct proportions for that pack. Please check all of the product labels to ensure that the correct components and pack sizes are being used. Select and use appropriate pack sizes to minimise waste and operator exposure, do not split packs. Use in batch order.

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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