

Cretex OT XFH Mortar – Part A



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

Product Name: **CRETEX OT XFH 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 – 1999/45/EC:
 Xi; R36/38-43 N; R51/53
 Symbols: Xi: Irritant. N: Dangerous for the environment.
 Main hazards: 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.
 Risk phrases: 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.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	Index No:	CAS No:	EC No:	Conc. (%w/w)	Classification
Bisphenol A-(epichlorhydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5	50 - 60%	Xi; R36/38 R43 N; R51/53
Phenol Formaldehyde Polymer Glycidyl Ether	-	28064-14-4	-	20 - 30%	Xi; R36/38-43 N; R51/53
Oxiran, Mono[(C12-14-alkyloxy)methyl]- derivative	603-103-00-4	68609-97-2	271-846-8	10 - 20%	Xi; R38 R43

SECTION 4: FIRST AID MEASURES

Inhalation: Move the exposed person to fresh air. If breathing stops, provide artificial respiration. Seek medical attention.
 Eye contact: Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Immediate medical attention is required.
 Skin contact: Wipe off with clean dry cloths /wipes and wash with plenty of soap and water, continue washing for at least 15 minutes. Do not use solvents as this may increase the spread, absorption and effect of contact. Remove contaminated clothing do not reuse clothing without effective laundering. Cover the affected area with a sterile dressing but do not apply greases or ointments. Seek medical attention.
 Ingestion: If swallowed, do not induce vomiting, prevent aspiration of vomit. Give large quantities of water, seek medical attention immediately.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Foam, dry powder, CO2 or large quantity water spray (not full jet).
 Special hazards: If involved in a fire, may generate noxious or toxic vapours Restricted air supply may result in carbon monoxide and other decomposition products being formed. Keep drums cool by spraying with water.

Advice for firefighters: Wear self-contained breathing apparatus.
 NB: Run off water may contain a range of combustion products that should be prevented from entering waste water drains and watercourses or causing ground contamination. Personnel downwind should be protected from fumes and smoke.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear full protective clothing when dealing with a spillage. When working with significant quantities ensure adequate ventilation.
 Environmental precautions: Prevent from entering sewer system, surface water, or soil.
 Methods for cleaning up: Absorb with earth, sand or other absorbent materials. Transfer to a suitable container for removal and safe disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Wear eye protection, goggles or a face shield, impervious gloves and protective clothing. Avoid inhaling directly over containers. Do not heat or pressurise containers. Do not eat drink or smoke when working with these materials. Ensure that tools and equipment are kept clean.
 When mixing, open containers with care minimising risk of splash or spillage, pour into mixing container/drum and mix at low speed avoiding splashing and air entrainment.
 Storage: Keep in a cool, dry, well ventilated area. Keep away from food, drink and animal feedingstuffs. Keep containers sealed until mixing. Store at temperatures between 5°C and 25°C.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls:



During mixing: Wear glasses (EN166), goggles or a face shield, impervious gloves and protective clothing (EN376 Index 6 480 min+) safety foot wear (EN346). Wear respirator suitable for organic vapour/fumes (EN141 type ABEK).
 During application: Wear glasses (EN166), goggles or a face shield, impervious gloves and protective clothing (EN376 Index 6 480 min+) safety foot wear (EN346). Apply in a well ventilated area. In cases of insufficient ventilation, suitable respiratory protection should be used, particularly when in confined spaces or where aerosols may be formed. Remove and clean or dispose of contaminated clothing.
 Clean skin at the end of shifts and use appropriate cleaning materials and skin care products if required.
 This document is prepared on the basis of large scale use of these materials, before reducing the level of safety equipment and precautions on the grounds of limited quantities, the user/operator must satisfy themselves that all legal and environmental protection requirements are met and the safety of the operator is maintained at all times.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

State:	Liquid
Colour:	Clear
Odour:	Characteristic
Flash point:	>150°C
Relative density:	1.12 - 1.15 (Water = 1 @ 20 °C)
Solubility:	Slightly miscible in water
VOC (Volatile organic compounds):	91 g/l
Water solubility:	Immiscible 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

Haz. decomp. products:	No decomposition if used according to specifications. In case of a fire, carbon monoxide carbon dioxide and other harmful gases may be formed from packaging.
Base:	Stable under normal conditions May react exothermally with amines, mercaptans and isocyanates, also with acids. In case of a fire, carbon monoxide carbon dioxide and other harmful gases may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological effects:	Repeated exposure to dust at well above the OEL level by inhalation may produce adverse effects on the lungs. When mixed the combined effect of base and hardener and any aggregate should be considered. Effects of abrasion may increase the level/impact of other materials by damaging the skin.
Bisphenol A-(epichlorhydrin) (reaction product)	
Dermal Rat LD50:	>1200mg/kg
Oral Rat LD50:	11400mg/kg
Base:	May cause skin and eye irritation in humans. Delayed contact dermatitis can be caused by repeated exposure to epoxy resins, or materials containing them. When mixed the combined effect of base and hardener and any aggregate should be considered.

SECTION 12: ECOLOGICAL INFORMATION

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

General information: The UK Environmental protection (Duty of Care) regulations and amendments should be considered. Special waste regulations may apply to the disposal of resin contaminated waste (properties H4 and H5) or contaminated materials. Contaminated packaging should be emptied as far as possible before disposal. Labels should not be removed from packaging until properly cleaned by a licensed contractor. Materials that are not resin contaminated should be treated as non hazardous industrial waste and where possible may be recycled. Do not reuse resin packaging.

SECTION 14: TRANSPORT INFORMATION

UN Number:	UN3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport hazard class:	
ADR/RID:	9
IMDG:	9
IATA:	9
Packing group:	III
Environmental hazard:	Yes
Marine pollutant:	Yes
ADR/RID	
Hazard ID:	90
Tunnel category:	(E)
IMDG	
EmS Code:	F-A, S-F
IATA	
Packing Instruction (Cargo):	964
Maximum quantity:	450 L
Packing Inst. (Passenger):	964
Maximum quantity:	450 L
Further information:	Classification for transport purposes. Where no specific information is given the material is classed as non hazardous for transport.

SECTION 15: REGULATORY INFORMATION

The following regulations may apply to the materials described in this data sheet:

Regulation EC 1907/2006 REACH
Regulation EC 1272/2008 CPL
Regulation EC 790/2009 1 ATP CPL
Regulation EC 453/2010 Amendment to REACH
Regulation EC 121/2006 CPL Dangerous substances.

SECTION 16: OTHER INFORMATION

Text of risk phrases

in Section 3: R36/38 – Irritating to eyes and skin.
R38 – Irritating to skin.
R43 – May cause sensitisation by skin contact.
R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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: July 2012

MATERIAL SAFETY DATA SHEET

113 3299B

Cretex OT XFH Mortar – Part B



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

Product Name: **CRETEX OT XFH 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

Main hazards: Harmful if swallowed. Causes burns. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	Conc.	CAS No:	EINECS:	Symbols/Risk phrases
Benzyl alcohol	10-20%	100-51-6	202-859-9	Xn; R20/22
Tetraethylenepentamine	1-10%	112-57-2	203-986-2	Xn; R21/22 C; R34 R43 N; R51/53
Formaldehyde,polymer with benzeneamine, hydrogenated	10-20%	135108-88-2	–	Xn; R22 C; R34/41
N,N-Dimethyl-1,3-diaminopropane	1-10%	109-55-7	203-680-9	R10 Xn; R22 C; R34 R43
2,4,6-Tris(dimethylaminomethyl)phenol	1-10%	90-72-2	202-013-9	Xn; R22 Xi; R36/38
4,4'-Isopropylidenediphenol	1-10%	80-05-7	201-245-8	Repr Cat 3; R62 Xi; R37-41 R43
N-aminoethylpiperazine	1-10%	140-31-8	205-411-0	Xn; R21/22 C; R34 R43 R52/53
Nonylphenol	1-10%	25154-52-3	246-672-0	Repr Cat 3; R62 Repr Cat 3; R62 Xn; R22 C; R34 N; R50/53

SECTION 4: FIRST AID MEASURES

Skin contact: Wipe off with clean dry cloths/wipes and wash with plenty of soap and water, continue washing for at least 15 minutes. Do not use solvents as this may increase the spread, absorption and effect of contact. Remove contaminated clothing do not reuse clothing without effective laundering. Cover the affected area with a sterile dressing but do not apply greases or ointments. Seek medical attention.

Eye contact: Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Immediate medical attention is required.

Inhalation: Move the exposed person to fresh air. If breathing stops, provide artificial respiration. Seek medical attention.

Ingestion: If swallowed, do not induce vomiting without medical advice. Prevent aspiration of vomit. Seek medical attention immediately.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Foam, dry powder, CO2 or large quantity water spray (not full jet).

Special hazards: If involved in a fire, may generate noxious or toxic vapours. Restricted air supply may result in carbon monoxide and other decomposition products being formed. Keep drums cool by spraying with water.

Advice for firefighters: Wear self-contained breathing apparatus.
 NB: Run off water may contain a range of combustion products that should be prevented from entering waste water drains and watercourses or causing ground contamination. Personnel downwind should be protected from fumes and smoke.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear full protective clothing when dealing with a spillage. When working with significant quantities ensure adequate ventilation.

Environmental precautions: Prevent from entering sewer system, as may cause blockage.

Methods for cleaning up: Absorb with earth, sand or other absorbent materials. Transfer to a suitable container for removal and safe disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Wear eye protection, goggles or a face shield, impervious gloves and protective clothing. Avoid inhaling directly over containers. Do not heat or pressurise containers. Do not eat, drink or smoke when working with these materials. Ensure that tools and equipment are kept clean.
 When mixing, open containers with care minimising risk of splash or spillage, pour into mixing container/drum and mix at low speed avoiding splashing and air entrainment.

Storage: Keep in a cool, dry, well ventilated area. Keep away from food, drink and animal feedingstuffs. Keep containers sealed until mixing.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

During mixing: Wear glasses (EN166), goggles or a face shield, impervious gloves and protective clothing (EN376 Index 6 480 min+) safety foot wear (EN346). Wear respirator suitable for organic vapour/fumes (EN141 type ABEK).

During application: Wear glasses (EN166), goggles or a face shield, impervious gloves and protective clothing (EN376 Index 6 480 min+) safety foot wear (EN346). Apply in a well ventilated area. In cases of insufficient ventilation, suitable respiratory protection should be used, particularly when in confined spaces or where aerosols may be formed. Remove and clean or dispose of contaminated clothing.
 Clean skin at the end of shifts and use appropriate cleaning materials and skin care products if required. This document is prepared on the basis of large scale use of these materials, before reducing the level of safety equipment and precautions on the grounds of limited quantities, the user/operator must satisfy themselves that all legal and environmental protection requirements are met and the safety of the operator is maintained at all times.

Polycote Cretex OT XFH Mortar – Part B Cont.

113 3299B

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

State:	Liquid
Colour:	Amber
Odour:	Ammoniacal
Relative density:	1.04 (Water = 1 @ 20 °C)
VOC (Volatile organic compounds):	91 g/l

SECTION 10: STABILITY AND REACTIVITY

Haz. decomp. products:	No decomposition if used according to specifications. In case of a fire, carbon monoxide carbon dioxide and other harmful gases may be formed from packaging.
Hardener:	Reacts exothermically with acids. Liberates ammonia when heated. In case of a fire, toxic fumes of nitrogen oxides, amines and carbon monoxide may be formed. Nitrogen oxide can react with water vapours to form corrosive nitric acid.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological effects:	Repeated exposure to dust at well above the OEL level by inhalation may produce adverse effects on the lungs. When mixed the combined effect of base and hardener and any aggregate should be considered. Effects of abrasion may increase the level/impact of other materials by damaging the skin.
Hardener:	The amine/diamine constituents of this product are harmful/corrosive to skin and irritant to eyes, and may cause sensitization. When mixed the combined effect of base and hardener and any aggregate should be considered.

SECTION 12: ECOLOGICAL INFORMATION

Environmental precautions: Prevent from entering sewer system.

SECTION 13: DISPOSAL CONSIDERATIONS

General information: The UK Environmental protection (Duty of Care) regulations and amendments should be considered. Special waste regulations may apply to the disposal of resin contaminated waste (properties H4 and H5) or contaminated materials. Contaminated packaging should be emptied as far as possible before disposal. Labels should not be removed from packaging until properly cleaned by a licensed contractor. Materials that are not resin contaminated should be treated as non hazardous industrial waste and where possible may be recycled. Do not reuse resin packaging.

SECTION 14: TRANSPORT INFORMATION

UN Number:	UN2735
UN proper shipping name:	POLYAMINES, LIQUID, CORROSIVE, N.O.S., AMINES, LIQUID, CORROSIVE N.O.S.
Transport hazard class:	
ADR/RID, IMDG, IATA:	8
Packing group:	III
Marine pollutant:	No
ADR/RID	
Hazard ID:	80
IMDG	
EmS Code:	F-A, S-B
IATA	
Packing Instruction (Cargo):	820
Maximum quantity:	60 L
Packing Inst. (Passenger):	818
Maximum quantity:	5 L
Further information:	Classification for transport purposes. Where no specific information is given the material is classed as non hazardous for transport.

SECTION 15: REGULATORY INFORMATION

Symbols:	C – Corrosive
Risk phrases:	R22 – Harmful if swallowed. R34 – Causes burns. R43 – May cause sensitisation by skin contact. R52/53 – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R62 – Possible risk of impaired fertility.
Safety phrases:	S24 – Avoid contact with skin. S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 – After contact with skin, wash immediately with plenty of soap and water. S36/37/39 – Wear suitable protective clothing, gloves and eye/face protection. S45 – In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Polycote UK

Centre Point • Wolseley Road • Woburn Road Industrial Estate
Kempston • Beds • MK42 7EF
Technical Helpline: 01234 846400

POLYCOTE®
"maintenance made easy"

SECTION 16: OTHER INFORMATION

Text of risk phrases

in Section 3: R10 – Flammable.
 R20/22 – Harmful by inhalation and if swallowed.
 R21/22 – Harmful in contact with skin and if swallowed.
 R22 – Harmful if swallowed.
 R34 – Causes burns.
 R36/38 – Irritating to eyes and skin.
 R37 – Irritating to respiratory system.
 R41 – Risk of serious damage to eyes.
 R43 – May cause sensitisation by skin contact.
 R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R52/53 – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R62 – Possible risk of impaired fertility.

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: July 2012

Polycote UK

Centre Point • Wolseley Road • Woburn Road Industrial Estate
 Kempston • Beds • MK42 7EF
 Technical Helpline: 01234 846400

POLYCOTE®
“maintenance made easy”