

Cretex PU – Part A



"maintenance made easy"

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

Product Name: **CRETEX PU – 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

Main hazards: No Significant Hazard.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Contains no materials which are classed as Hazardous.

SECTION 4: FIRST AID MEASURES

Inhalation: Seek medical attention.
 Eye contact: Bathe the eye with running water for 15 minutes.
 Skin contact: Wash off immediately with plenty of soap and water.
 Ingestion: Rinse mouth thoroughly.
Most important symptoms and effects, both acute and delayed
 Inhalation: No irritation expected.
 Eye contact: May cause irritation to eyes.
 Skin contact: May cause irritation to skin.
 Ingestion: No irritation expected.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.
 Use water spray to cool containers.
 Special hazards: No Significant Hazard.
 Advice for firefighters: Protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Do not discharge into drains or rivers. Product slippery when on surfaces.
 Clean up Procedure: Sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

SECTION 7: HANDLING AND STORAGE

Safe handling: Use original container.
 Safe storage: Keep container tightly closed and in a well-ventilated place.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls:



Engineering controls: Keep in a cool, dry, well ventilated area.
 Eye/face protection: Safety glasses with side-shields.
 Skin/hand protection: Wear suitable gloves.
 Other protection: Wear suitable protective clothing.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

State: Liquid
 Colour: Various
 Odour: Characteristic

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No hazardous reactions if stored and handled as prescribed/indicated.
 Chemical stability: Stable under normal temperature conditions.
 Conditions to avoid: Heat
 Incompatible materials: Strong acids. Strong oxidising agents.
 Haz. decom. products: No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information: No data is available on this product.
 Skin corrosion/irritation: No Significant Hazard.
 Eye damage/irritation: No irritation expected.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Completely empty the packaging and process it according to local legislation.

SECTION 14: TRANSPORT INFORMATION

Further information: Not classified as hazardous for transport – No warning label required.

SECTION 15: REGULATORY INFORMATION

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

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SECTION 16: OTHER INFORMATION

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

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



MATERIAL SAFETY DATA SHEET

106 100B

Cretex PU – Part B



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

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

4,4'-Methylenediphenyl diisocyanate
 615-005-00-9 101-68-8 202-966-0 1 - 10% Carc. 2: H351; Acute Tox. 4: H332; STOT RE 2: H373;
 Eye Irrit. 2: H319;
 STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317

2,2'-Methylenediphenyl diisocyanate
 615-005-00-9 2536-05-2 219-799-4 1 - 10%

SECTION 2: HAZARDS IDENTIFICATION

Classification EC 1272/2008: Skin Sens. 1: H317; Resp. Sens. 1: H334; Carc. 2: H351.
 Main hazards: Harmful by inhalation. Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact. May cause sensitisation by inhalation.

Hazard pictograms:



Signal word: Danger
 Hazard Statement: Skin Sens. 1: H317 – May cause an allergic skin reaction.
 Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 Carc. 2: H351 - Suspected of causing cancer .

Precautionary Statement Prevention:

P201 – Obtain special instructions before use.
 P202 – Do not handle until all safety precautions have been read and understood.
 P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.
 P272 – Contaminated work clothing should not be allowed out of the workplace.
 P280 – Wear protective gloves/protective clothing/eye protection/face protection.
 P284 – [In case of inadequate ventilation] wear respiratory protection.

Precautionary Statement Response:

P302+P352 – IF ON SKIN: Wash with plenty of water.
 P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P308+P313 – If exposed or concerned: Get medical advice/attention.
 P321 – Specific treatment (see on this label).
 P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.
 P342+P311 – If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.

Precautionary Statement Storage:

P405 – Store locked up.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	Conc.	Classification		
Index No:	CAS No:	EC No:	(%w/w)	
4,4'-Diphenylmethane-diisocyanate	615-005-00-9	9016-87-9	-	70 - 80%
Diphenylmethane-2,4'-diisocyanate	615-005-00-9	5873-54-1	227-534-9	1 - 10%

SECTION 4: FIRST AID MEASURES

Inhalation: Take the person into the fresh air and keep him warm, let him rest, if there is difficulty in breathing, medical advice is required.
 Eye contact: Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist.
 Skin contact: In the event of skin contact, wipe off mechanically and wash affected areas thoroughly with soap and water.
 Ingestion: DO NOT induce the patient to vomit, medical advice is required.

Indication of any immediate medical attention and special treatment needed
 Seek medical attention if irritation or symptoms persist.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Carbon dioxide (CO₂), Foam, extinguishing powder, in case of larger fires, water spray should be used.
 Special hazards: Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapours and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.
 Fire in vicinity poses risk of pressure build-up and rupture. Containers at risk from fire should be cooled with water and, if possible, removed from the danger area.
 Advice for firefighters: During fire-fighting respirator with independent air supply and airtight garment is required.
 Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on protective equipment (see chapter 8). Remove sources of fire, ensure adequate ventilation/exhaust ventilation. Keep unauthorised persons away.
 Environmental precautions: Do not allow to escape into waterways, wastewater or soil.
 Methods for cleaning up: Remove mechanically; cover the remainder with wet, absorbent material (e.g sawdust, chemical binder based on calcium silicate hydrate sand). After approx. one hour transfer to waste container and do not seal (evolution of CO₂!). Keep damp in a safe ventilated area for several days.

Polycote Cretex PU – Part B – Cont.

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SECTION 7: HANDLING AND STORAGE

Safe Handling: In all areas where MDI aerosols and/or vapour concentrations are produced, exhaust ventilation must be provided in such a way that the WEL is not exceeded.

Safe Storage: Keep only in the original container in a cool, well-ventilated place.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls:



Eye/face protection: Safety glasses with side-shields.
Skin/hand protection: Chemical resistant gloves.
Other protection: Wear suitable protective clothing.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

State: Liquid
Colour: Brown
Odour: Earthy, musty
Initial boiling point: >300°C
Flash point: 229°C

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No data available.
Chemical stability: Polymerises at about 200°C with evolution of CO₂.
Hazardous reaction: Exothermic reaction with amines and alcohols; reacts slowly with water forming CO₂, in closed containers risk of bursting owing to increase of pressure.
Conditions to avoid: No data is available on this product.
Incompatible materials: No data is available on this product.
Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity: No data is available on this product.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.

SECTION 12: ECOLOGICAL INFORMATION

No data is available on this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Completely empty the packaging and process it according to local legislation.

SECTION 14: TRANSPORT INFORMATION

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

"COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC".

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SECTION 16: OTHER INFORMATION

Text of Hazard Statements

in Section 3: Skin Irrit. 2: H315 – Causes skin irritation.
 Skin Sens. 1: H317 – May cause an allergic skin reaction.
 Eye Irrit. 2: H319 – Causes serious eye irritation.
 Acute Tox. 4: H332 – Harmful if inhaled.
 Resp. Sens. 1: H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 STOT SE 3: H335 – May cause respiratory irritation.
 Carc. 2: H351 – Suspected of causing cancer .
 STOT RE 2: H373 – May cause damage to organs through prolonged or repeated exposure.

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.

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 Technical Helpline: 01234 846400



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MATERIAL SAFETY DATA SHEET

106 1000

Cretex PU – Part C



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

Product Name: **CRETEx PU – PART C**
 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 EC 1272/2008:

Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; STOT RE 1: H372.

Main hazards: Irritating to eyes, respiratory system and skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Hazard pictograms:



Signal word: Danger

Hazard Statement: Skin Irrit. 2: H315 - Causes skin irritation.
 Eye Irrit. 2: H319 - Causes serious eye irritation.
 STOT SE 3: H335 - May cause respiratory irritation.
 STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .

Precautionary Statement Prevention:

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 - Wash thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P271 - Use only outdoors or in a well-ventilated area.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement Response:

P302+P352 - IF ON SKIN: Wash with plenty of water/
 .
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 - 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.
 P314 - Get medical advice/attention if you feel unwell.
 P321 - Specific treatment (see on this label).
 P332+P313 - If skin irritation occurs: Get medical advice/attention.
 P337+P313 - If eye irritation persists: Get medical advice/attention.

Precautionary Statement Response:

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
 P405 - Store locked up.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name: Index No:	CAS No:	EC No:	Conc. (%w/w)	Classification
Silica Sand				
-	14808-60-7	-	40 - 50%	STOT RE 1: H372
Cement (Portland Cement)				
-	65997-15-1	266-043-4	40 - 50%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335

SECTION 4: FIRST AID MEASURES

Inhalation: Remove person to fresh air and support breathing as needed. Inhalation of large amounts of cement requires immediate medical attention. Consult a physician immediately.
 Eye contact: Immediately flush eye thoroughly with clean water. Consult a physician immediately if irritation persists.
 Skin contact: Wash affected areas with neutral soap and clean cool water for at least 15 minutes. For reduced or blistered skin, consult a physician immediately.
 Ingestion: Rinse out mouth, drink water, casue no vomiting and consult a physician.

Most important symptoms and effects, both acute and delayed

Inhalation: May cause irritation to respiratory system.
 Eye contact: Irritating to eyes.
 Skin contact: Causes burns.
 Ingestion: Harmful by inhalation and if swallowed.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Not relevant as product is imcombustible.
 Special hazards: No data is available on this product.
 Advice for firefighters: No data is available on this product.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear suitable protective clothing, gloves and eye/face protection.
 Environmental precautions: Avoid uncontrolled entry into the sewage system or into the outfall drain, especially after uncontrolled water addition.
 Methods for cleaning up: Pick up mechanically (dry).

SECTION 7: HANDLING AND STORAGE

Safe handling: Avoid dust development. Avoid skin and eye contact. During working avoid skin contact through use of appropriate protective clothing.
 Bagged aggregate is heavy and poses risk of injury during carrying. Handle with care. Use Personal Protective Equipment (PPE).
 Storage: Protect from moisture in closed rooms and containers.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Limit Values:****Portland cement**

WEL 8-hr limit mg/m ³ total 10 inhalable dust	WEL 15 min limit mg/m ³ : – inhalable dust
WEL 8-hr limit mg/m ³ total 4 respirable dust	WEL 15 min limit mg/m ³ : – respirable dust

Exposure controls:

Eye/face protection:	Wear eye/face protection.
Skin/hand protection:	Chemical resistant gloves.
Other protection:	Wear suitable protective clothing.
Respiratory protection:	Provide local exhaust or general ventilation system to control dust levels below the 8hr TWA level. Avoid creating airborne dust conditions. Local exhaust ventilation is preferred since it prevents the release of contaminants in to the work area by controlling it at the source. If local or general ventilation is not adequate to control dust levels below exposure limits, use OES approved respirators.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

State:	Powder
Colour:	Colourless
Odour:	Odourless

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No data available on this product.
Chemical stability:	This product is stable if stored and handled as prescribed/indicated.
Incompatible materials:	Acids.
Haz. decomp. products:	No data available on this product.

SECTION 11: TOXICOLOGICAL INFORMATION

No data is available on this product.

SECTION 12: ECOLOGICAL INFORMATION

No data is available on this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Completely empty the packaging and process it according to local legislation.

SECTION 14: TRANSPORT INFORMATION

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

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SECTION 16: OTHER INFORMATION**Text of Hazard Statements**

in Section 3: STOT RE 1: H372 – Causes damage to organs through prolonged or repeated exposure.
Skin Irrit. 2: H315 – Causes skin irritation.
Eye Irrit. 2: H319 – Causes serious eye irritation.
STOT SE 3: H335 – May cause respiratory irritation.

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

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