

MATERIAL SAFETY DATA SHEET

110 1600

Cretex MC CSG – BPO (Hardener)



"maintenance made easy"

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

Product Name: **CRETEx MC CSG – BPO (HARDENER)**
 Company Name: Polycote UK
 Centre Point • Wolseley Road
 Woburn Road Industrial Estate
 Kempston • Beds MK42 7EF
 Telephone Number: 01234 846400

SECTION 2: HAZARDS IDENTIFICATION

Regulation (EC) No. 1272/2008 (CLP):

Aquatic Acute 1: Very toxic to aquatic life.
 Eye Irrit. 2: Causes serious eye irritation.
 Org. Perox. B: Heating may cause a fire or explosion.
 Skin Sens. 1: May cause an allergic skin reaction.

Hazard pictograms:



Signal word: Danger
 Hazard statements: H241: Heating may cause a fire or explosion.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H400: Very toxic to aquatic life.

Precautionary statements:
 None.

Additional information:
 For full text of Hazard/Precautionary statements see section 16.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:

CAS No:	EC No.	Classification
dibenzoyl peroxide benzoyl peroxide		
94-36-0	202-327-6	Org. Perox. B H241; Skin Sens. 1 H317; Eye Irrit. 2 H319

SECTION 4: FIRST AID MEASURES

Inhalation: Treat symptomatically.
 Skin contact: Take off immediately all contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention/ Specific treatment (see Medical Advice on this label).
 Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
 Ingestion: Treat symptomatically.
Most important symptoms and effects, both acute and delayed
 May cause irritation. Allergic contact dermatitis.
 Immediate / special treatment:
 Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.
 Unsuitable media: None.
 Exposure hazards: Heating may cause a fire or explosion. Explosion risk.
 Advice for firefighters: Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems. Wear suitable protective clothing, gloves and eye/face protection.
 Environmental precautions: Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.
 Methods for cleaning up: Sweep up spilled substance and remove to a safe place. Use vacuum equipment for collecting spilt materials, where applicable. Contain spillages with sand, earth or any suitable absorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

SECTION 7: HANDLING AND STORAGE

Handling: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep only in original packaging. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Wash hands and exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray.
 Storage: Store in a well ventilated area. Protect from sunlight. Store separately.
 Specific end use(s):
 A BPO Hardener powder for use with Polycote repair resins and powder systems.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits:

Substance	CAS No	LTEL (8 hr TWA ppm)	LTEL (8hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)
Dibenzoyl peroxide	94-36-0	-	5	-	-

Appropriate engineering controls:
 Provide adequate ventilation, including appropriate local extraction. A washing facility/water for eye and skin cleaning purposes should be present.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION – Cont.

Eye protection:	Wear eye protection with side protection (EN166).
Skin protection:	Wear protective clothing and gloves: Impervious gloves (EN 374).
Respiratory protection:	Where engineering controls are not fitted or inadequate, wear suitable respiratory protective equipment. A suitable dust mask or dust respirator with filter type P (EN143 or EN405) may be appropriate.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Solid
Colour:	White
Odour:	Faint
Melting/freezing point:	Decomposes before melting
Flammability (solid, gas)	Decomposition products may be flammable
Density (g/ml):	540 kg/m ³ at 20°C
Relative density:	1.895 at 20°C
Solubility (water)	At 20°C insoluble
(other)	Not known
Decomp Temp. (°C):	SADT -60°C (Self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging as used in transport. A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by thermal decomposition at and above the SADT. Contact with incompatible substances can cause decomposition below the SADT.
Oxidising properties:	Not classified as oxidising
Haz. decomp products:	Calcium oxide, Phosphorus oxides, Benzoic acid.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	None anticipated.
Chemical stability:	Stable under normal conditions.
Hazardous reactions:	No hazardous reactions known if used for its intended purpose.
Conditions to avoid:	Keep away from heat and direct sunlight.
Materials to avoid:	Not known.
Haz. decomp. products:	No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological effects:	
Acute toxicity – Ingestion:	LD50: >5,000 mg/kg. Species: Rat.
Acute toxicity – Skin Contact:	Slightly irritation.
Acute toxicity – Inhalation:	LC50 (Rat): >24.3 mg/l. Exposure time: 4h. Test atmosphere: vapour. Assessment: The substance or mixture has no acute inhalation toxicity. May cause irritation of the mucous membranes.
Skin corrosion/irritation:	Product dust may be irritating to skin. May cause an allergic skin reaction. May cause skin irritation.

Serious eye damage/irritation:	Causes serious eye irritation.
Skin sensitization data:	May cause an allergic skin reaction.
Respiratory sensitization data:	Thermal decomposition can lead to release of irritating gases and vapours. Product dust may be irritating to the respiratory system.
Germ cell mutagenicity:	Not mutagenic.
Carcinogenicity:	Not carcinogenic.
Reproductive toxicity:	No toxicity to reproduction. Species: Rat, male. Application Route: Oral. General Toxicity – Parent: No observed adverse effect level: 1,000 mg/kg bw/day. Method: OECD Test Guideline 422. Species: Rat, females. Application Route: Oral. General Toxicity – Parent: No observed adverse effect level: 500 mg/kg bw/day. Method: OECD Test Guideline 422.
STOT – single exposure:	Exposure routes: Ingestion. The substance or mixture is not classified as specific target organ toxicant, single exposure.
STOT – repeated exposure:	Exposure routes: Ingestion. The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity – Very toxic to aquatic life.	
Toxicity – Aquatic invertebrates:	EC50: 0.11 mg/l. Exposure time: 48h. Species: Daphnia magna (water flea).
Toxicity – fish:	LC50: 0.06 mg/l/ Exposure time: 96h.
Toxicity – Algae:	EC50: 0.06 mg/l. Exposure time: 72h. Species: algae.
Toxicity – Sediment Compartment:	EC50: 35 mg/l. Species: Bacteria.
Persistence and Degradation:	Inherently biodegradable
Bioaccumulative potential:	Bioconcentration factor (BCF): 66.6
Results of PBT and vPvB assessment:	Not classified as PBT or vPvB.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods:	Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Normal disposal is via incineration operated by an accredited disposal contractor. Dispose at suitable refuse site.
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Polycote UK

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Technical Helpline: 01234 846400

SECTION 14: TRANSPORT INFORMATION

UN Number: UN 3077
 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID. N.O.S.

ADR/RID

Classification: 9
 Classification Code: M7
 Special provisions: 274 335 601
 Limited Quantities: 5 kg
 Excepted Quantities: E1
 Emergency Action Code: 2Z
 Mixed Packing Instructions for Packages: P002 IBC08 LP02 R001
 Special Packing Provisions for Packages: PP12 B3
 Mixed Packing Instructions for Packages: MP10
 Packing Instructions for Portable tanks: T1 BK1 BK2
 Special Provisions for Portable tanks: TP33
 Tank Code for Tanks: SGAV LGBV
 Vehicle for Tank Carriage: AT
 ADR Transport Category: 3
 Tunnel Restriction Code: E
 Special Provisions for Carriage - Packages: V13
 Special Provisions for Carriage – Bulk: VV1
 Special Provisions for Carriage - Loading, Unloading and Handling: CV13
 Special Provisions for Carriage - Operation: Not applicable
 ADR HIN: 90

IMDG

Classification: 9
 Special provisions: 274 335 601
 Limited Quantities: 5 kg
 Excepted Quantities: E1
 Mixed Packing Instructions for Packages: P002 IBC08 LP02 R001
 Special Packing Provisions for Packages: PP12 B3
 Packing Instructions for Portable tanks: T1 BK1 BK2
 Special Provisions for Portable tanks: TP33
 IMDG EMS: Not applicable
 Stowage and Handling: Not applicable

ICAO/IATA

Excepted Quantities: E1
 Passenger and Cargo Aircraft Limited Quantities Packing Instructions: Y956
 Passenger and Cargo Aircraft Limited Quantities Max net Qty: 30 kg
 Passenger and Cargo Aircraft Packing Instructions: 956
 Passenger and Cargo Aircraft Max net Qty: 400 kg
 Cargo Aircraft Packing Instructions: 956
 Cargo Aircraft Max net qty: 400 kg
 Special Provisions: A97, A158, A179, A197
 Emergency Response Guidebook (ERG) Code: 9L
 Labels: 9
 Packing Group: III
 Environmental Hazard: Classified as a Marine Pollutant

SECTION 15: REGULATORY INFORMATION**Chemical Safety Assessment**

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION**Hazard classification:**

Eye irrit. 2: Serious eye damage/irritation, Category 2.
 Org. Perox. B: Organic peroxide, Category B.
 Skin Sens. 1: Skin sensitization, Category 1.

Hazard Statements:

H241: Heating may cause a fire or explosion.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H400: Very toxic to aquatic life.

Precautionary Statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P234: Keep only in original packaging.
 P235: Keep cool.
 P240: Ground and bond container and receiving equipment.
 P240: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264: Wash hands and exposed skin thoroughly after handling.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P302+P352: IF ON SKIN: Wash with plenty of 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.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P362+P364: Take off contaminated clothing and wash it before reuse.
 P370+P380+P375+P378: In case of fire: Evacuate area. Fight fire remotely to the risk of explosion.
 P391: Collect spillage.
 P403: Store in a well-ventilated place.
 P410: Protect from sunlight.
 P420: Store separately.

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.

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