

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

#### 1.1 Product identifier

**Product Name:** MC Primer CSG (Resin) Part A

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Resin component for MC Primer CSG

Uses advised against: None known

#### 1.3 Details of the supplier of the safety data sheet

**Company Name:** Polycote UK LLP  
Centre Point  
Wolseley Road  
Woburn Road Industrial Estate  
Kempston  
Beds  
MK42 7EF  
01234 846400  
111 (NHS England)  
[uksales@polycote.com](mailto:uksales@polycote.com)

**Telephone Number:** 01234 846400

**Emergency Contact Number:** 111 (NHS England)

**Email address:** [uksales@polycote.com](mailto:uksales@polycote.com)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture:

**Regulation (EC) No 1272/2008:**

Acute Tox. 3: Toxic if inhaled.  
Acute Tox. 3: Toxic in contact with skin.  
Acute Tox. 3: Toxic if swallowed.  
Flam. Liq. 2: Highly flammable liquid and vapour.  
Skin Irrit. 2: Causes skin irritation.  
Skin Sens. 1: May cause an allergic skin reaction.  
STOT SE 3: May cause respiratory irritation.

#### 2.2 Label elements

**According to Regulation (EC) No 1272/2008 (CLP):**

**Signal word(s):**

**Hazard pictograms:**

Danger



**Hazard statements:**

H225: Highly flammable liquid and vapour.  
H301: Toxic if swallowed.  
H311: Toxic in contact with skin.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H331: Toxic if inhaled.  
H335: May cause respiratory irritation.

**Precautionary statements:**

None

**2.3 Other hazards:**







None known

**2.4 Additional Information:**

For full text of H/P Statements see section 16.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Substance:

Hazardous Ingredient(s)	CAS No.	EC No. / REACH Registration No.	%WW	Hazard Statement(s)	Hazard Pictogram(s)
methyl methacrylate methyl 2-methylprop-2-enoate methyl 2-methylpropenoate	80-62-6	201-297-1 01-2119452498-28	0.00	Flam. Liq. 2: H225 Skin Irrit. 2: H315 Skin Sens. 1: H317 STOT SE 3: H335	 
triisodecyl phosphite	25448-25-3	246-998-3 01-2119964066-34	0.00	Not classified	
N,N-dimethyl-p-toluidine	99-97-8	202-805-4	0.00	Acute Tox. 3: H301 Acute Tox. 3: H311 Acute Tox. 3: H331 STOT RE 2: H373 Aquatic Chronic 3: H412	 
2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6 01-2119969287-21	0.00	Skin Sens. 1B: H317	
1,1'-(p-tolylimino)diprop-2-ol	38668-48-3	254-075-1 01-2119980937-17	0.00	Acute Tox. 2: H300 Eye Irrit. 2B: H320	

#### 3.2 Mixture:

Non-applicable

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures:**

<b>Inhalation:</b>	Specific treatment (see Medical Advice on this label). Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor.
<b>Skin contact:</b>	Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see Medical Advice on this label). Rinse skin with water. Call a POISON CENTER/doctor if you feel unwell.
<b>Eye contact:</b>	Treat symptomatically.
<b>Ingestion</b>	Rinse mouth. Specific treatment (see Medical Advice on this label). Immediately call a POISON CENTER/doctor.

**4.2 Most important symptoms and effects, both acute and delayed:**

Causes burns. Allergic contact dermatitis.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Specific treatment (see Medical Advice on this label). Call A POISON CENTRE/doctor if you feel unwell. Treat symptomatically.

**SECTION 5: FIRE FIGHTING MEASURES****5.1 Extinguishing media**

**Suitable extinguishing media:** Use to extinguish.

**Unsuitable extinguishing media:** Water jet spray.

**5.2 Special hazards arising from the substance or mixture:** Highly flammable liquid and vapour. May decompose in a fire, giving off toxic and irritant vapours.

**5.3 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**

**6.1 Personal precautions, protective equipment and emergency procedures:** Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems. Ensure full personal protection (including respiratory protection) during removal of spillages.

**6.2 Environmental precautions:** Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

**6.3 Methods and material for containment and cleaning up:** Absorb spillages into sand, earth or any suitable absorbent material. Use vacuum equipment for collecting spilt materials, where practicable. Containers must not be punctured or destroyed by burning, even when empty.

**6.4 Reference to other sections:** See also section 8, 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof (electrical/ventilating/lighting) equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

**7.2 Conditions for safe storage, including any incompatibilities:** Store in a well-ventilated area. Keep cool. Keep container tightly closed. Store locked-up.

**Storage temperature:** Ambient

**Storage life:** Stable under normal conditions

**Incompatible materials:** None known

**7.3 Specific end use(s)** Resin component of the two-pack floor primer.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters:****8.1.1 Occupational Exposure Limits:**

Occupational Exposure Limits:						
Substance	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Methyl methacrylate	80-62-6	50	208	100	416	





Region	Source
Europe	EU Occupational Exposure Limits
United Kingdom	Workplace Exposure Limits (WEL)

Remark	Notes
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**8.2 Exposure controls:****8.2.1. Appropriate engineering controls:**

Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems. Use ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)****8.2.2. Personal protection equipment:**

PPE	Remarks
 Eye Protection	Wear eye protection with side protection (EN166).
 Skin Protection	Wear protective clothing and gloves: Impervious gloves (EN 374).
 Respiratory Protection	A suitable mask with filter type A (EN14387 or EN405) may be appropriate
 Thermal hazards	None known

**8.2.3 Environmental Exposure Controls:** Avoid release to the environment

**SECTION 9: PHYSICAL & CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties:**

Appearance:	Liquid
Colour:	Colourless, slightly turbid
Odour:	Ester like
Odour threshold:	Not known
pH:	Not known
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	ca.100°C (1,013 hPa)
Flash point:	10°C Method: DIN 51755 Remarks: (methyl methacrylate)
Evaporation rate:	Not known
Flammability (solid, gas)	Not known
Upper/lower flammability or explosive limits:	12.5%(V) Remarks: (methyl methacrylate) lower flammability limit: 2.1%(V) Remarks: (methyl methacrylate)
Vapour pressure:	Ca. 40 hPa (20°C)
Vapour density:	>1 (20°C)
Density (g/ml):	1.00g/cm <sup>3</sup> (20°C)
Relative density:	No data available
Solubility(ies)	Solubility (Water): ca. 20 g/l (20°C) Solubility (Other): soluble in ethyl acetate
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	430°C Method: DIN 51794 Remarks: (methyl methacrylate)
Decomposition temperature (°C):	No decomposition if used as directed
Viscosity:	115 mPa.s (23°C) Method: DIN 53018
Explosive properties:	No data available
Oxidising properties:	No data available

**9.2 Other information**

Parafin Separation.	
Impact Sensitivity	Not impact sensitive

**SECTION 10: STABILITY AND REACTIVITY**

<b>10.1 Reactivity:</b>	None anticipated
<b>10.2 Chemical stability:</b>	Stable under normal conditions
<b>10.3 Possibility of hazardous reactions:</b>	No hazardous reactions known if used for its intended purpose
<b>10.4 Conditions to avoid:</b>	Avoid friction, sparks or other means of ignition
<b>10.5 Incompatible materials:</b>	Not known
<b>10.6 Hazardous decomposition products:</b>	No hazardous decomposition products known

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects:**

<b>Acute toxicity - Ingestion:</b>	Toxic if swallowed. Acute toxicity estimate Dose: 1,591 mg/kg Method: Calculation method
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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

<b>Acute toxicity - Skin Contact:</b>	Toxic in contact with skin. Acute toxicity estimate Dose: > 2,000 mg/kg Method: Calculation method
<b>Acute toxicity - Inhalation:</b>	Toxic if inhaled. Acute toxicity estimate Exposure duration: 4 h Test atmosphere: vapour Dose: > 20mg/l Method: Calculation method
<b>Skin corrosion/irritation:</b>	Causes skin irritation. Result: irritating Remarks: Properties of components in summary. Related to substance: product
<b>Serious eye damage/irritation:</b>	Remarks: Contact with the eyes may cause irritation. Properties of components in summary. Related to substance: product
<b>Skin sensitization data:</b>	May cause an allergic skin reaction. Species: Mouse Classification: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Method: OECD TG 429 Remarks: (own study) In human various types of allergic reactions have been observed (symptoms: headache, eye irritations, skin affections). Related to substance: methyl methacrylate
<b>Respiratory sensitization data:</b>	Species: Mouse Classification: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Method: OECD TG 429 Remarks: (own study) In human various types of allergic reactions have been observed (symptoms: headache, eye irritations, skin affections). Related to substance: methyl methacrylate: Species: Mouse Classification: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Method: OECD TG 429 Remarks: (own study) Related to substance: triethyleneglycol dim
<b>Germ cell mutagenicity:</b>	Positive as well as negative results in in vivo mutagenicity/genotoxicity tests. No experimental indication of genotoxicity in vivo available. In summary not mutagenic according to internationally accepted criteria. Related to substance: methyl methacrylate
<b>Carcinogenicity:</b>	There is evidence of carcinogenic effects. Carcinogen Category 2 (UN-GHS) Related to substance: N,N-dimethyl-p-toluidine
<b>Reproductive toxicity:</b>	No evidence for hazardous properties
<b>Lactation:</b>	Not classified
<b>STOT – single exposure:</b>	May cause respiratory irritation.
<b>STOT – repeated exposure:</b>	Species: Rat G 244 Application Route: inhalative 2 Years NOAEL: 25 ppm Assessment: Does ad which no adverse effects were observed (NOAEL). At higher doses adverse effects were observed. Remarks: Findings: Damage to mucous membranes in the nose at 400 ppm Related to substance: methyl methacrylate Species: Rat Wistar Application Route: in drinking water 2 Years NOAEL: 2000 ppm Remarks: Findings: no toxic effects Related to substance: methyl methacrylate
<b>Aspiration hazard:</b>	Not applicable
<b>11.2 Other information:</b>	Not known

**SECTION 12: ECOLOGICAL INFORMATION**

<b>12.1 Toxicity:</b>	
Toxicity - Aquatic invertebrates:	Species: Daphnia magna. Exposure duration: 48h EC50: 69 mg/l Method: OECD 202, flow through. Related to substance: methyl methacrylate. Species: Daphnia magna. Exposure duration: 21 d ECO: 37 mg/l. Method: OECD 202, Part 2, flow through. Related to substance: methyl methacrylate.
Toxicity - Fish:	Species: Oncorhynchus mykiss, rainbow trout. Exposure duration: 96h LC50: >79 mg/l Method: OECD 203, flow through GLP. Related to substance: methyl methacrylate.
Toxicity - Algae:	Species: Scenedesmus quadricauda, Exposure duration: 8d EC3: 37 mg/l Method: DIN 38412 T.9. Related to substance: methyl methacrylate.
Toxicity - Sediment Compartment:	Not classified
Toxicity - Terrestrial Compartment:	Not classified
<b>12.2 Persistence and Degradation:</b>	Result: biodegradable Remarks: (monomer constituent), (analogy)
<b>12.3 Bioaccumulative potential:</b>	Not known.
<b>12.4 Mobility in soil:</b>	No specific test data available
<b>12.5 Results of PBT and vPvB assessment:</b>	PBT: no vPvB: no
<b>12.6 Other adverse effects:</b>	Not known

**SECTION 13: DISPOSAL CONSIDERATIONS**

<b>13.1 Waste treatment methods</b>	Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point.
<b>13.2 Additional Information</b>	Disposal should be in accordance with local, state or national legislation.

**SECTION 14: TRANSPORT INFORMATION**

<b>14.1 UN number:</b>	1866
<b>14.2 UN proper shipping name:</b>	RESIN SOLUTION, flammable (vapour pressure at 50°C more than 110 kPa)
<b>14.3 Transport Hazard Class(es):</b>	
ABR/RID	
ADR/RID Class	3
ADR Classification Code	F1

**SECTION 14: TRANSPORT INFORMATION (continued)**

Special Provisions	640D
Limited Quantities	5 L
Excepted Quantities	E2
Emergency Action Code	•3YE
Mixed Packing Instructions for Packages:	P001 IBC02 R001
Special Packing Provisions for Packages:	PP1
Mixed Packing Instructions for Packages:	MP19
Packing Instructions for Portable tanks:	T4
Special Provisions for Portable tanks:	TP1 TP8
Tank Code for Tanks:	LGBF
Special Provisions for tanks Vehicle for Tank Carriage:	Not applicable
Vehicle for Tank Carriage:	FL
ADR Transport Category:	2
Tunnel Restriction Code:	D/E
Special Provisions for Carriage - Packages:	Not applicable
Special Provisions for Carriage - Bulk:	Not applicable
Special Provisions for Carriage - Loading, Unloading and Handling:	Not applicable
Special Provisions for Carriage - Operation:	S2 S20
ADR HIN	33

**IMDG**

IMDG Class	3
Special Provisions	640D
Limited Quantities	5 L
Excepted Quantities	E2
Mixed Packing Instructions for Packages:	P001 IBC02 R001
Special Packing Provisions for Packages:	PP1
Packing Instructions for Portable tanks:	T4
Special Provisions for Portable tanks:	TP1 TP8
IMDG EMS:	F-E
Stowage and Handling:	B
Segregation	Not determined

**ICAO/IATA**

Excepted Quantities	E2
Passenger and Cargo Aircraft Limited Quantities Packing Instructions:	Y341
Passenger and Cargo Aircraft Limited Quantities Max net Qty:	1L
Passenger and Cargo Aircraft Packing Instructions:	353
Passenger and Cargo Aircraft Max net Qty:	5L
Cargo Aircraft Packing Instructions:	364
Cargo Aircraft Max net qty:	60L
Special Provisions	Not applicable
Emergency Response Guidebook (ERG) Code:	3L

**Labels** 3



<b>14.4 Packing group:</b>	II
<b>14.5 Environmental hazards:</b>	Not classified as a Marine Pollutant
<b>14.6 Special precautions for user</b>	Not known
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:</b>	No information available

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:****European Regulations - Authorisations and/or Restrictions On Use:**

Candidate List of Substances of Very High Concern for Authorisation:	Not listed
REACH: ANNEX XIV list of substances subject to authorisation:	Not listed
REACH: ANNEX XVII Restrictions on manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:	methyl methacrylate methyl 2-methylprop-2-enoate methyl 2-methylpropenoate (80-62-6)

**SECTION 15: REGULATORY INFORMATION (continued)**

Community Rolling Action Plan (CoRAP):	Methyl methacrylate (80-62-6)
Regulation (EC) No 850/2004 of the European Parliament and of the Council on persistent organic pollutants:	Not listed
Regulation (EC) No 2037/2000 on substances that deplete the ozone layer:	Not listed
Regulation (EU) No 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals:	Not listed
<b>National regulations</b>	
Other:	Not known
<b>15.2 Chemical Safety Assessment:</b>	
A REACH chemical safety assessment has not been carried out.	

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

Acute Tox. 2: Acute toxicity, Category 2  
 Acute Tox. 3: Acute toxicity, Category 3  
 Aquatic Chronic 3: Hazardous to the aquatic environment, Chronic, Category 3  
 Eye Irrit. 2B: Serious eye damage/irritation, Category 2B  
 Flam. Liq. 2: Flammable liquid, Category 2  
 STOT RE 2: Specific target organ toxicity – repeated exposure, Category 2  
 STOT SE 3\_H335: Specific target organ toxicity – single exposure, Category 3  
 STOT Irrit. 2: Skin corrosion/irritation, Category 2  
 Skin Sens. 1: Skin sensitization, Category 1  
 Skin Sens. 1B: Skin sensitization, Category 1B

**Hazard Statements:**

H225: Highly flammable liquid and vapour.  
 H300: Fatal if swallowed.  
 H301: Toxic if swallowed.  
 H311: Toxic in contact with skin.  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H320: Causes eye irritation.  
 H331: Toxic if inhaled.  
 H335: May cause respiratory irritation.  
 H373: May cause damage to organs through prolonged or repeated exposure.  
 H412: Harmful to aquatic life with long lasting effects.

**Precautionary Statements:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233: Keep container tightly closed.  
 P240: Ground and bond container and receiving equipment.  
 P241: Use explosion-proof [electrical/ventilating/lighting] equipment.  
 P242: Use non-sparking tools.  
 P243: Take action to prevent static discharges.  
 P261: Avoid breathing dust/fume/gas/mist/vapours/ spray.  
 P264: Wash hands and exposed skin thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P271: Use only outdoors or in a well-ventilated area.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P302+P352: IF ON SKIN: Wash with plenty of water.  
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P311: Call a POISON CENTRE/doctor.  
 P312: Call a POISON CENTRE/doctor if you feel unwell.  
 P321: Specific treatment (see Medical Advice on this label).  
 P330: Rinse mouth.  
 P332+P313: If skin irritation occurs: Get medical advice/attention.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P361+P364: Take off immediately all contaminated clothing and wash it before reuse.  
 P362+P364: Take off contaminated clothing and wash it before reuse.  
 P370+P378: In case of fire: Use to extinguish  
 P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
 P403+P235: Store in a well-ventilated place. Keep cool.  
 P405: Store locked up.  
 P501: Dispose of contents in accordance with local, state or national legislation.

**Passenger aircraft/rail:**

ADN: European Agreement concerning the international carriage of dangerous goods by inland waterways  
 ADR: European Agreement concerning the international carriage of dangerous goods by road  
 CAS: Chemical Abstracts Service  
 CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
 DNEL: Derived No Effect Level

SECTION 16: OTHER INFORMATION (continued)	
	<div><div>EC: European Community</div><div>EINECS: European Inventory of Existing Commercial Chemical Substances</div><div>IATA: International Air Transport Association</div><div>IBC: Intermediate Bulk Container</div><div>ICAO: International Civil Aviation Organisation</div><div>IMDG: International maritime dangerous goods code</div><div>LTEL: Long term exposure limit</div><div>PBT: Persistent, Bioaccumulative and Toxic</div><div>PNEC: Predicted No Effect Concentration</div><div>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals</div><div>RID: Regulations concerning the international carriage of dangerous goods by rail</div><div>STEL: Short term exposure limit</div><div>STOT: Specific Target Organ Toxicity</div><div>UN: United Nations</div><div>vPvB: very Persistent and very Bioaccumulative</div></div>
<div><div>Advice related to training:</div><div>As from 24th August 2023, adequate training is required before industrial or professional use of this product.</div></div>	

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.

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

#### 1.1 Product identifier

**Product Name:** MC Primer CSG - Hardener Part B

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** Curing agent for Polycote resin and powder systems

**Uses advised against:** None known

#### 1.3 Details of the supplier of the safety data sheet

**Company Name:** Polycote UK LLP  
Centre Point  
Wolseley Road  
Woburn Road Industrial Estate  
Kempston  
Beds  
MK42 7EF  
**Telephone Number:** 01234 846400  
**Emergency Contact Number:** 111 (NHS England)  
**Email address:** [uksales@polycote.com](mailto:uksales@polycote.com)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture:

**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.

#### 2.2 Label elements

**Signal word(s):**

**Hazard pictograms:**

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

**2.3 Other hazards:**


None known

**2.4 Additional Information:**

For full text of H/P Statements see section 16.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Substance:

Hazardous Ingredient(s)	CAS No.	EC No. / REACH Registration No.	% W/W	Hazard Statement(s)	Hazard Pictogram(s)
dibenzoyl peroxide benzoyl peroxide	94-36-0	202-327-6 01-2119511472-50	0.00	Org. Perox. B H241; Skin Sens. 1 H317; Eye Irrit. 2 H319	

#### 3.2 Mixture:

Non-applicable

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of 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.

#### 4.2 Most important symptoms and effects, both acute and delayed:

May cause irritation. Allergic contact dermatitis.

#### 4.3 Indication of any immediate medical attention and special treatment needed:

Specific treatment (see Medical Advice on this label). Treat symptomatically.

**SECTION 5: FIRE FIGHTING MEASURES****5.1 Extinguishing media**

Suitable extinguishing media: Use to extinguish.

Unsuitable extinguishing media: None

**5.2 Special hazards arising from the substance or mixture:** Heating may cause a fire or explosion. Explosion risk.

**5.3 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**

**6.1 Personal precautions, protective equipment and emergency procedures:** 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.

**6.2 Environmental precautions:** Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

**6.3 Methods and material for containment and cleaning up:** Collect spillage. Sweep up spilled substance and remove to safe place. Use vacuum equipment for collecting spilt materials, where practicable. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

**6.4 Reference to other sections:** See also section 8, 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe 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.

**7.2 Conditions for safe storage, including any incompatibilities:** Store in a well-ventilated area. Protect from sunlight. Store separately.

Storage temperature: Store at temperatures not exceeding °C/°F

Storage life: Stable under normal conditions.

**7.3 Specific end use(s)** A BPO Hardener powder for use with Polycote repair resins and powder systems.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters:****8.1.1 Occupational Exposure Limits:**

Occupational Exposure Limits:						
Substance	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Methyl methacrylate	94-36-0		5			




Region	Source
Europe	EU Occupational Exposure Limits
United Kingdom	Workplace Exposure Limits (WEL)

Remark	Notes
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**8.2 Exposure controls:****8.2.1. Appropriate engineering controls:**

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

**8.2.2. Personal protection equipment:**

PPE	Remarks
 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 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

PPE	Remarks
 Thermal hazards	None known

**8.2.3. Environmental Exposure Controls:** Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

**SECTION 9: PHYSICAL & CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties:**

Appearance:	Solid
Colour:	White
Odour:	Faint
Odour threshold:	Not known
pH:	Not known
Melting point/freezing point:	Decomposes before melting
Initial boiling point and boiling range:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not known
Flammability (solid, gas)	Decomposition products may be flammable
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	Not known
Vapour density:	Not known
Density (g/ml):	540 kg/m <sup>3</sup> at 20°C
Relative density:	1.895 at 20°C
Solubility(ies)	Solubility (Water): At 20°C insoluble Solubility (Other): No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	Not known
Decomposition temperature (°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.
Viscosity:	Not known
Explosive properties:	Not explosive
Oxidising properties:	Not classified as oxidising. 9.2 Other information Active Oxygen Content: 2.1 - 2.2% Organic peroxides

**9.2 Other information**

Active Oxygen Content:	2.1 - 2.2 %
Organic peroxides:	32 - 33%
Conditions to avoid:	Do not allow to dry out.
Materials to avoid:	Contact with incompatible materials will result in hazardous decomposition. Do not mix with peroxide accelerators, unless under controlled processing. Use only stainless steel 316, PP, polyethylene or glass-lined equipment. Acids and bases Iron Copper Reducing agents heavy metals rust
Hazardous decomposition products:	Calcium oxide Phosphorous oxides Benzoic acid

**SECTION 10: STABILITY AND REACTIVITY**

<b>10.1 Reactivity:</b>	None anticipated.
<b>10.2 Chemical stability:</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions:</b>	No hazardous reactions known if used for its intended purpose.
<b>10.4 Conditions to avoid:</b>	Keep away from heat and direct sunlight.
<b>10.5 Incompatible materials:</b>	Not known.
<b>10.6 Hazardous decomposition products:</b>	No hazardous decomposition products known.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects:**

<b>Acute toxicity – Ingestion:</b>	LD50: >5,000 mg/kg. Species: Rat
<b>Acute toxicity – Skin Contact:</b>	Slightly irritation.
<b>Acute toxicity – Inhalation:</b>	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.
<b>Skin corrosion/irritation:</b>	Product dust may be irritating to skin. May cause an allergic skin reaction. May cause skin irritation.

**SECTION 11: TOXICOLOGICAL INFORMATION (continued)****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.

**Lactation:**

Not classified

**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.

**Aspiration hazard:**

No data available

**11.2 Other information:**

Not known

**SECTION 12: ECOLOGICAL INFORMATION****12.1 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.

Toxicity - Terrestrial Compartment:

Not classified

**12.2 Persistence and Degradation:**

Inherently biodegradable

**12.3 Bioaccumulative potential:**

Bioconcentration factor (BCF): 66.6

**12.4 Mobility in soil:**

No information available

**12.5 Results of PBT and vPvB assessment:**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher: Not classified as PBT or vPvB

**12.6 Other adverse effects:**

Not known

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimers 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.

**13.2 Additional Information**

Disposal should be in accordance with local, state or national legislation.

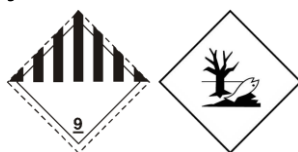
**SECTION 14: TRANSPORT INFORMATION****Transport of dangerous goods by land:**

With regard to ADR 2021 and RID 2021:

<b>14.1 UN number:</b>	3106
<b>14.2 UN proper shipping name:</b>	ORGANIC PEROXIDE TYPE D, SOLID
<b>14.3 Transport Hazard Class(es):</b>	
<b>ABR/RID</b>	
ADR/RID Class	5.2
ADR Classification Code	P1
Special Provisions	122 274
Limited Quantities	500g
Excepted Quantities	E0
Emergency Action Code	2Z
Mixed Packing Instructions for Packages:	CV15 CV22

**SECTION 14: TRANSPORT INFORMATION (continued)**

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
Special Provisions for tanks Vehicle for Tank Carriage:	Not applicable
Vehicle for Tank Carriage:	AT
ADR Transport Category:	3
Tunnel Restriction Code:	E
Special Provisions for Carriage - Packages:	V1
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
<b>IMDG</b>	
IMDG Class	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
Segregation	Not determined
<b>ICAO/IATA</b>	
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited	Y956
Quantities Packing Instructions:	
Passenger and Cargo Aircraft Limited	30Kg
Quantities Max net Qty:	
Passenger and Cargo Aircraft Packing Instructions:	956
Passenger and Cargo Aircraft Max net Qty:	400Kg
Cargo Aircraft Packing Instructions:	956
Cargo Aircraft Max net qty:	400Kg
Special Provisions	A97, A158, A179, A197
Emergency Response Guidebook (ERG) Code:	9L
Labels	9



<b>14.4</b>	<b>Packing group:</b>	III
<b>14.5</b>	<b>Environmental hazards:</b>	Classified as a Marine Pollutant
<b>14.6</b>	<b>Special precautions for user</b>	Not known
<b>14.7</b>	<b>Transport in bulk according to Annex II of Marpol and the IBC Code:</b>	No information available

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:****European Regulations - Authorisations and/or Restrictions On Use:**

Candidate List of Substances of Very High Concern for Authorisation:	Not listed
REACH: ANNEX XIV list of substances subject to authorisation:	Not listed
REACH: ANNEX XVII Restrictions on manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:	Not listed
Community Rolling Action Plan (CoRAP):	Not listed
Regulation (EC) No 850/2004 of the European Parliament and of the Council on persistent organic pollutants:	Not listed
Regulation (EC) No 2037/2000 on substances that deplete the ozone layer:	Not listed
Regulation (EU) No 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals:	Not listed

**SECTION 15: REGULATORY INFORMATION (continued)****National regulations**

Other: Not known

**15.2 Chemical Safety Assessment:**

A REACH chemical safety assessment has not been carried out.

**SECTION 16: OTHER INFORMATION****Hazard pictograms:**

GHS01



GHS02



GHS07



GHS09

**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.

P261: 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.

P321: Specific treatment (see Medical Advice on this label).

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 due to the risk of explosion. Use to extinguish.

P391: Collect spillage.

P403: Store in a well-ventilated place.

P410: Protect from sunlight.

P411: Store at temperatures not exceeding °C/°F.

P420: Store separately.

P501: Dispose of contents in accordance with local, state or national legislation.

**Passenger aircraft/rail:**

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS: Chemical Abstracts Service

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL: Derived No Effect Level

EC: European Community

EINECS: European Inventory of Existing Commercial Chemical Substances

IATA: International Air Transport Association

IBC: Intermediate Bulk Container

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods

LTEL: Long term exposure limit

PBT: Persistent, Bioaccumulative and Toxic

PNEC: Predicted No Effect Concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

STEL: Short term exposure limit

STOT: Specific Target Organ Toxicity

UN: United Nations

vPvB: very Persistent and very Bioaccumulative

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.