SAFETY DATA SHEET

According to 1907/2006/EC

REPAIR POWDER

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier Product description	REPAIR POWDER Polymer based on methyl methacrylate containing peroxide
1.2 Relevant identified use of the mixture	Repair of porous mould materials
1.3 Details of the supplier of the safety data sheet	PCL Ceramics Estuary Road, Riverside Ind Est Kings Lynn, Norfolk, PE30 2HS United Kingdom www.pclceramics.com Tel +44 1553 622000 sales@pclceramics.com
1.4 Emergency phone	Tel +44 1553 622000

SECTION 2: Hazards Identification

2.1 This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

2.2 Label elements – not applicable

2.3 Other hazards – not classified as PBT OR vPvB. Combustible but not readily ignited. Low toxicity under normal conditions of handling and use.

SECTION 3:Composition/information on ingredients

3.2 Mixtures

Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below

Hazardous Ingredients	% w/w	EC no.	REACH Registration no.	Hazard class and category codes	Hazard Statement Codes
Dibenzoyl peroxide	<1	202-327-6	01-2119511472-50-XXXX	Org. Perox B Skin Sens. 1 Eye Irrit. 2 Aquatic acute 1	H241 H317 H319 H400

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing
Skin contact	Wash with plenty of water. If skin irritation or rash occurs, get medical attention
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.
Ingestion	Rinse mouth. Do NOT induce vomiting. Obtain medical attention if ill effects occur.

SECTION 5: Firefighting measures

5.1 Extinguishing media	Water spray, foam, dry powder or CO2. Do not use water jet.
5.2 Special hazards arising from the substance or mixture.	Combustible but not readily ignited. Combustion or thermal decomposition will evolve toxic irritant and flammable vapours.
5.3 Advice for firefighters	A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions..
5.4 Dust cloud characteristics	This product can form flammable dust clouds at elevated temperatures. The Minimum Ignition Temperature of a dust cloud of a similar polymer has been measured at approx. 480°C (IEC 1241-2-1, and the minimum spark energy is about 80Mj. Explosive conditions are only likely to occur with dust concentrations of around 25 g/m3.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Caution – spillages will be slippery
6.2 Environmental precautions	Avoid release to the environment
6.3 Methods and material for containing and cleaning up.	Collect in containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling	Store in original container in a cool dry place. Since the product is supplied as spherical beads, and spillages may lead to floors becoming extremely slippery.
7.2 Conditions for safe handling, including any incompatibilities	Keep containers in a clean, cool, dry area. Natural ventilation is adequate.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Substance	CAS No.	LTEL ppm (8Hr TWA)	LTEL mg/m3 (8Hr TWA)	STEL Ppm	STEL Mg/m3	Notes
Dibenzoyl peroxide	94-36-0		5			WEL

8.2 Exposure controls

Appropriate engineering controls	Do not eat, drink, or smoke at the workplace
Eye/face protection	Approved safety spectacles/goggles
Skin/hand protection	Not normally required, however use of gloves is recommended to comply with good occupational hygiene practice.
Respiratory protection	IN case of exposure levels higher than the OES, use an approved respirator in accordance with EN143 (Type P-S) or EN 149 (type FFP-S). Check with PPE manufacturer.
Industrial hygiene	Powders have a drying effect upon the skin and the use of gloves and a barrier cream may reduce or avoid this effect.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties.

Appearance	Fine powder
Colour	White
Odour	Typically methacryalte
Melting range	150 – 230°C
Flash point	>390°C
Auto ignition Temperature	Approx 465°C

SECTION 10: Stability and reactivity

10.1 Reactivity	Non-reactive material
10.2 Chemical stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	Avoid dust generation
10.5 Incompatible materials	Polymer contains residual benzoyl peroxide. This may react with oxidising agents, reducing agents, acids, bases and amines leading to decomposition.

SECTION 11: Toxicological Information

Ingestion	Low oral toxicity
Inhalation	Unlikely to be hazardous by inhalation
Skin contact	Unlikely to cause skin irritation
Eye contact	Dust may cause irritation

SECTION 12: Ecological Information

Toxicity	Predicted to have low toxicity to aquatic organism.
Persistence and degradability	Non biodegradable in soil and water.
Bioaccumulation potential	Low potential for bio-accumulation
Mobility in soil	Predicted to have low mobility in soil.

SECTION 13: Disposal considerations

General Information: dispose of in accordance with all local and national regulations.

SECTION 14: Transport information

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packing Group	Not applicable
14.5 Environmental hazards	Not applicable
14.6Special precautions for user	Not applicable

SECTION 15: Regulatory information

Risk phrases	None
Safety phrases	None
Hazard symbols	None
Warning labels	None

SECTON 16: Other information

Text of hazard statements in Section 3	Org Perox B H241 – heating may cause a fire or explosion Skin Sens. 1 H317 – May cause an allergic skin reaction Eye Irrit. 2 H319 – Causes serious eye irritation Aquatic Acute H400 – Very toxic to aquatic life
Further information	The information supplied in this Safety Data Sheet is designed only as guidance for safe use, storage and handling of the product. The information supplied is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.