



SAFETY DATA SHEET

According to 1907/2006/EC

REPAIR RESIN

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

1.1 Product identifier Product description	REPAIR RESIN Aqueous preparation based on methyl methacrylate with low levels of stabiliser
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 Classification of the substance or mixture

2.1.1 classification 1999/45/EC	F; R11; Xn; R20 Xi; R37/38-43 Symbols F Highly flammable, Xn harmful
Main hazards	Highly flammable. Harmful by inhalation. Irritating to respiratory system and skin. May cause sensitisation by skin contact.
2.1.2 Classification – EC 1272/2008	Flam liq 2; H225; Skin irrit 2, H315; skin sens 1; H317; Eye Irrit 2; H319; STOT SE3; H335

2.2 Label Elements

Hazard Pictograms	
Signal Word Hazard Statement	Danger Flam Liq 2; H225 – highly flammable liquid and vapour 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 STOF SE 3:H335 – may cause respiratory irritation
Precautionary Statement	P210 – Keep away from heat, hot surfaces, sparks and other ignition sources. No Smoking

	<p>P261 Avoid breathing vapours</p> <p>P280 – Wear protective gloves/protective clothing/eye protection/face protection</p> <p>P302+P352- IF ON SKIN, wash with plenty of soap and water</p> <p>P501 – Dispose of contents/container to hazardous waste in accordance with local, state or national legislation. Incinerate under approved controlled conditions, using incinerators suitable for the disposal of flammable organics.</p>
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SECTION 3: Composition/information on ingredients

3.2 Mixtures

67/548/EEC / 1999/45/EC

Chemical name	Index no	CAS No.	EC No	Conc. (%w/w)	
Methyl Methacrylate	607-035-00-6	80-62-6	201-297-1	40 - 50%	F;R11;Xi;R37/38 R43
N,N-Dimethyl-p-toluidine	612-056-00-9	99-97-8	99-97-8	0-0.25%	T;R23/24/25 R33 R52/53

EC 1272/2008

Chemical name	Index no	CAS No.	EC No	REACH Registration no.	Conc. (%w/w)	
Methyl Methacrylate	607-035-00-6	80-62-6	201-297-1	01-2119452498-28-XXXX	40-50%	Flam. Liq. 2; H225; STOT SE 3; H335; Skin Irrit. 2; H315; Skin Sens. 1; H317
N,N-Dimethyl-p-toluidine	612-056-00-9	99-97-8	99-97-8		0-0.0.25%	Acute Tox. 3; H331; Acute Tox. 3; H301; STOT RE 2: H373; Aquatic Chronic 3; H412

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation	Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person of fresh air. Seek medical attention
Eye contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

SECTION 5: Firefighting measures

5.1 Extinguishing media	Use as appropriate; Carbon dioxide (CO ₂), Dry chemical, Foam
5.2 Special hazards arising from the substance or mixture.	Burning produces irritating, toxic and obnoxious fumes.
5.3 Advice for firefighters	Self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation of the working area. Wear suitable protective equipment
6.2 Environmental precautions	Do not allow product to enter drains Prevent further spillage if safe.
6.3 Methods and material for containing and cleaning up.	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

SECTION 7: Handling and storage

7.1 Precautions for safe handling	Do not eat, drink or smoke at the workplace. Wash thoroughly after handling. Avoid breathing vapours. Use in a well ventilated area. Vapour is heavier than air, beware in confined spaces. Use explosion proof electrical equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
7.2 Conditions for safe handling, including any incompatibilities	Keep container tightly closed. Store in a well ventilated place. Keep cool. Store locked up. Keep away from heat, sparks, open flame, hot surfaces. No smoking. Protect from sunlight. Storage temperature – preferably not exceeding 25°C Incompatible materials – polymerisation catalysts, such as peroxy or azo compounds, strong acids, alkalis and oxidising agents.

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
Methyl Methacrylate	80-62-6	50	208	100	416	WEL

8.2 Exposure controls

Appropriate engineering controls	Do not eat, drink, or smoke at the workplace. Provide adequate ventilation, including local extraction to ensure that the occupational exposure limit is not exceeded.
Eye/face protection	Approved safety spectacles/goggles
Skin/hand protection	Wear suitable gloves (butyl rubber gloves)
Respiratory protection	Wear suitable protective respiratory equipment if exposure to levels above the occupational exposure limit is likely

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties.

Appearance	Liquid
Colour	white
Odour	Pungent
Flash point	10
Upper explosion limit	12.5
Lower explosion limit	1.2

SECTION 10: Stability and reactivity

10.1 Reactivity	Will exothermically polymerise in the presence of initiators
10.2 Chemical stability	Stable in the presence of inhibitor
10.3 Possibility of hazardous reactions	Polymerisation with heat evolution may occur in the presence of radical forming substances. The product is supplied in a stabilised form
10.4 Conditions to avoid	Heat and direct sunlight.
10.5 Incompatible materials	Polymerisation catalysts, such as peroxy or azo compounds, strong acids, alkalis and oxidising agents

SECTION 11: Toxicological Information

11.1.4 Toxicological Information

SEB B	Oral Rat LD50: 5000mg/kg	Inhalation Rat LC50/4 h: 24 mg/l
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SECTION 12: Ecological Information

12.1 Toxicity – no data available

SECTION 13: Disposal considerations

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

SECTION 14: Transport information

14.1 UN number	UN1247
14.2 UN proper shipping name	METHYL METHACRYLATE MONOMER, STABILIZED
14.3 Transport hazard class(es)	
Class	3
IMDG	3
IMDG EMS	F-E, S-D
IATA	3
ADR classification code	F1
ADR HIN	339
ADR Transport Category	2
Tunnel restriction code	D/E
RID	3

ADN	3
UK CDG Road, Emergency Action Code	3YE
14.4 Packing Group	II
14.5 Environmental hazards	Not classified as a marine pollutant
14.6 Special precautions for user	No special requirements

SECTION 15: Regulatory information

SECTION 16: Other information

Text of risk phrases in section 3	R10 Flammable R11 Highly flammable R20 Harmful by inhalation R23/24/25 Toxic by inhalation, in contact with skin and if swallowed R33 Danger of cumulative effects R36/38 Irritating to eyes and skin R37/38 Irritating to respiratory system and skin R43 May cause sensitisation by skin contact R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment
Text of hazard statements in Section 3	Flam Liq 2: H225 – Highly flammable liquid and vapour Skin Irrit. 2: H315 – Causes skin irritation Skin Sens. 1 H317 – May cause an allergic skin reaction STOT SE 3: H335 – May cause respiratory irritation Flam. Liq. 3: H226 – Flammable liquid and vapour Eye Irrit. 2 H319 – Causes serious eye irritation Acute Tox. 4 H332 – Harmful if inhaled Acute Tox. 3 H301 – Toxic if swallowed Acute Tox. 3 H311 – Toxic in contact with skin Acute Tox 3 H331 – Toxic if inhaled STOT RE 2:H373 – May cause damage to organs through prolonged or repeated exposure. Aquatic chronic 3:H412 – Harmful to aquatic life with long lasting effects.
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.