

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: POLYESTER LAMINATING RESIN HARDENER
PRODUCT NO: BPLRH
USE OF THE PREPARATION: HARDENER
COMPANY IDENTIFICATION: Brown Brothers Distribution Limited
Wellington House
Starley Way
Birmingham International Park
Solihull
B37 7HB
Tel: 0121 781 7208
Fax: 0121 781 7307
Emergency tel: 0121 781 7208

2. HAZARDS IDENTIFICATION

May cause fire. Irritating to eyes. May cause sensitisation by skin contact.

CLASSIFICATION (1999/45): Xi;R36. R43. O;R7.

PHYSICAL AND CHEMICAL HAZARDS: The product is flammable and oxidising, and heating may generate vapours which may form explosive vapour/air mixtures.

HUMAN HEALTH: See section 11 for additional information on health hazards.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
BENZOYL PEROXIDE	202-327-6	94-36-0	30-60%	E;R3 O;R7 Xi;R36 R43

The full text for all R-Phrases is displayed in Section 16

4. FIRST AID MEASURES

GENERAL INFORMATION: Remove affected person from source of contamination. Get medical attention immediately!

INHALATION: Move injured person into fresh air immediately. Call an ambulance. Be aware that symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Bring these instructions. Place unconscious person on the side in the recovery position and ensure breathing can take place.

INGESTION: Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

SKIN CONTACT: Remove contaminated clothing immediately and wash skin with soap and water. Consult a physician for specific advice. Burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

EYE CONTACT: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Immediately transport to hospital or eye specialist.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES: Beware, risk of formation of toxic and corrosive gases.

UNUSUAL FIRE & EXPLOSION HAZARDS: OXIDISING!

SPECIFIC HAZARDS: When heated and in case of fire, corrosive vapours/gases may be formed.

PROTECTIVE MEASURES IN FIRE: Leave danger zone immediately.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear protective clothing as described in Section 8 of this safety data sheet. In case of spills, beware of slippery floors and surfaces.

ENVIRONMENTAL PRECAUTIONS: The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

SPILL CLEAN UP METHODS: For waste disposal, see section 13. When dealing with a spillage, please consult the section relating to suitable protective measures. Absorb spillage with non-combustible, absorbent material. Ventilate well. Prevent discharge of larger quantity to drain.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS: Read and follow manufacturer's recommendations. Always remove grease with soap and water or skin cleaning agent, never use organic solvents. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product.

STORAGE PRECAUTIONS: Keep away from heat, sparks and open flame. Store in tightly closed original container in a dry, cool and well-ventilated place.

STORAGE CLASS: Oxidiser storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	STD	TWA – 8 Hrs	STEL – 15 Min	Notes
BENZOYL PEROXIDE	WEL	5 mg/m ³		

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT:



PROCESS CONDITIONS:	Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.
ENGINEERING MEASURES:	Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.
RESPIRATORY EQUIPMENT:	Wear suitable respiratory protection. Check that mask fits tight and change filter regularly.
HAND PROTECTION:	The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Protection against this substance requires special consideration.
EYE PROTECTION:	Wear tight-fitting goggles or face shield.
OTHER PROTECTION:	Provide eyewash station. AVOID ALL SKIN AND RESPIRATORY CONTACT!
HYGIENE MEASURES:	Wash contaminated clothing before reuse. Wash at the end of each work shift and before eating, smoking and using the toilet.
SKIN PROTECTION:	Protection suit must be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Solid or liquid (may vary).

10. STABILITY AND REACTIVITY

STABILITY: Avoid: Contact with combustibles. Heat, sparks, flames

MATERIALS TO AVOID: Flammable/combustible material.

11. TOXICOLOGICAL INFORMATION

HEALTH WARNINGS: This chemical can be hazardous when inhaled and/or touched. This chemical may cause skin/eye irritation and burns (corrosive). May cause severe internal injury. Vapour from this chemical can be hazardous when inhaled.

ROUTE OF ENTRY: Inhalation. Ingestion. Skin and/or eye contact. Skin absorption.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION: When handling waste, consideration should be made to the safety precautions applying to handling of the product. Only experts should be permitted to carry out disposal of this material.

DISPOSAL METHODS: Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

GENERAL: Full protective clothing should be worn when handling this product.



PROPER SHIPPING NAME:	ORGANIC PEROXIDE TYPE E, SOLID
ENVIRONMENTALLY HAZARDOUS:	No.
SUBSTANCE MARINE POLLUTANT:	
UN NO. ROAD	3108
ADR CLASS NO.	5.2
ADR CLASS	Class 5.2: Organic peroxides.
ADR PACK GROUP	II
ADR LABEL NO.	5.2
UN NO. SEA	3108
IMDG CLASS	5.2
IMDG PACK GR.	II
EMS	F-J, S-R
UN NO. AIR	3108
AIR CLASS	5.2
AIR PACK GR.	II

15. REGULATORY INFORMATION

LABELLING:



Irritant



Oxidising

CONTAINS:

BENZOYL PEROXIDE

RISK PHRASES:

R7 May cause fire.
R36 Irritating to eyes.
R43 May cause sensitisation by skin contact

SAFETY PHRASES:

S2 Keep out of the reach of children.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 Wear suitable gloves.
S46 If swallowed, seek medical advice immediately and show this container or label.
S56 Dispose of this material and its container to hazardous or special waste collection point.
S64 If swallowed, rinse mouth with water (only if the person is conscious).

16. OTHER INFORMATION

GENERAL INFORMATION:	Only trained personnel should use this material.
RISK PHRASES IN FULL:	R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition.
	R36 Irritating to eyes.
	R7 May cause fire.
	R43 May cause sensitisation by skin contact.

The information provided in this document has been compiled on the basis of our current knowledge and is believed to be in accordance with the requirements of the Dangerous Substances Directive, Dangerous Preparations Directive and Safety Data Sheets Directive. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. The conditions and extent of storage and use of material are outside of our control and within the control of the possessor or user. Consequently it is the responsibility of the possessor or user to satisfy themselves as to the completeness of such information and the suitability of the material for their own particular circumstances, conditions or use.

END OF SAFETY DATA SHEET