

VW Fecit  
3 Whitehorse Mews, London SE1 7QD  
+ 44 20 7261 1691

**MATERIAL SAFETY DATA SHEET**

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**1. Identification of the Substance/ Preparation and Company**

**EASYSECTIONS EMBEDDING RESIN COMPONENT B**

Supplier: **Anglo Adhesives & Services Ltd**  
Anglo House,  
West Street  
Glenfield, Leicester. LE3 8DT  
Tel: 44 (0)1664 480866

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**2. Composition/ Information on Ingredients**

Chemical properties (preparation)  
preparation based on Dibenzoyl peroxide and dimethylphthalate  
Name of substance Dibenzoyl peroxide  
Chemical formula C<sub>14</sub>H<sub>10</sub>O<sub>4</sub>  
CAS-No 94-36-0  
INDEX-No 617-008-00-0  
EEC-No 202-527-6  
Content Unit 2.50-10.00 %  
Index Letter Xi - E  
R-phrases R2 - 7 - 36 - 43

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**3. Hazards Identification**

Description of dangers: Xi  
It is an Irritant and it is irritating to the eyes and skin.

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**4. First Aid Measures**

General information  
Bring affected persons out of danger area.  
Remove contaminated clothing  
Inform medical assistance of the nature of the product.  
Inhalation: Provide patient with fresh air. In case of persistent discomfort seek medical advice.  
Eye contact: Keeping eyelid open irrigate thoroughly with water or if necessary, rinsing solution for at least 15 minutes.  
Use no oils or ointments. Obtain medical assistance.  
Skin contact: Wipe off excess with a paper towel. Rinse immediately with plenty of water. Do not use soap or solvents.  
Ingestion rinse out mouth with water. Do not swallow. Then drink large amount of water. Obtain medical assistance.

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**5. Fire Fighting Measures**

Extinguish with:  
Water  
Quenching foam  
Quenching powder  
Carbon dioxide  
Notable Dangers:  
The material, its products of combustion, or any gases produced are dangerous.  
Do not inhale explosive gases or smoke fumes.  
There is a risk of decomposition.  
Benzoic acid, carbon monoxide and organic products of decomposition can form.  
Special protective equipment  
Use suitable fire fighting equipment.  
Further information  
Ensure there are sufficient retaining facilities for water used to extinguish fire. This should not enter drainage systems, soil or stretches of water. Contaminated water used to extinguish the fire should be disposed of in accordance with the regulations issued by the appropriate local authorities. Fire residues should also be disposed of in accordance with the regulations.

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**6. Accidental Release Measures**

Any spillage should be regarded as an emergency  
Personal precautions

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Wear eye, respiratory and general protective personal equipment and avoid contact with the product.

Environmental measures

Insulate and seal off defective containers immediately.  
Do not allow entrance into drainage systems, ground water or stretches of water.  
Clean contaminated areas thoroughly and dispose of contaminated material as waste in accordance with section 13. If spilled material enters public drains or water courses the water authority or police must be notified immediately

Cleaning or absorption

Absorb mechanically with a suitable device (an inorganic non-combustible material) and collect in a suitable container, using as little confinement as possible (eg. polythene bag). Transport to a safe place. Material may be unstable.

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## 7. Handling and Storage

Handling

Do not weigh in storage room.  
Always close container after removal of product.  
Keep emptied containers away from sources of heat and ignition.  
Avoid contact with accelerators, acid alkaline solutions, heavy metal compounds and reducing agents.

Fire and Explosion Safety

Explosion - Proof installations required.  
Keep away from sources of ignition.

Storage

Incorrect storage risks decomposition of product.  
Do not transfer the product to another container.

Container requirements

Container should be kept tightly closed and stored in a dry, well-ventilated place.  
Protect from sun rays, heat and potential contamination

Storage of materials

Store product separate from polymerisation accelerators, acid and alkaline solutions, heavy metal compounds and reducing agents.

Storage conditions

The storage capability depends on the storage conditions present.  
Minimum life: see expiry date on container. Maximum storage temperature: 25°C.  
Protect from frost and heat.

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## 8. Exposure Controls/ Personal Protection

The components which have work-place related limits should be monitored.

Name of Substance	Dibenzoyl Peroxide
CAS-No	94-36-0
INDEX-No	617-008-00-0
Limits	Values Unit
Dibenzoyl peroxide	
OES/TLOA(GB)	5mg/m3 (1993)
TLV/TWA(USA)	5mg/m3 (1993)
TLV/STEL (USA)	-mg/m3 (1993)

Personal protection

Personnel must be told of nature of products used. Persons with history of dermatitis, skin sensitisation, or asthma should not work in direct contact with peroxides.  
For general protection and hygiene, the usual precautions for dealing with chemicals should be observed including no eating, drinking etc at work. Hands should be washed before a break and at the end of work.. Contaminated clothing should be changed and used work clothing should not be worn outside the work area.  
Efficient ventilation to the outside and respiratory equipment should be supplied. Gloves should be worn and basket shaped glasses should be worn to protect the eyes. A complete chemical protection should be worn.

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## 9. Physical and Chemical Properties

Shape	Liquid
Colour	Colourless
Odour	Almost odourless Value/Range Unit
Melting Point	N/A
Boiling Point	Decomposes on heating
SADT (Self Accelerating Decomposition Temperature)	
Dibenzoyl peroxide	60°C
Flashpoint	150°C from Dibenzoyl peroxide
Ignition Temperature	460°C from Dibenzoyl peroxide
Vapour pressure	<0.1hPa (at 20°C)
Density	Approx. 1.2 g/cm <sup>3</sup> (at 20 °C)

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Solubility  
Viscosity

Insoluble in water  
approx. 1.2hPa \*8

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#### 10. Stability and Reactivity

Heating above 60°C explosive decomposition possible,  
Danger of explosion with incompatible substances.  
Conditions to avoid: Protect from heat of the sun's rays.  
Substances to avoid: vigorous reaction on contact with reducing agents, alkaline solutions and heavy metal compounds.  
Dangerous products of decomposition: carbon monoxide, benzoic acid and organic products of decomposition.

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#### 11. Toxicological Information

There are no test results available for animal experiments with this product.  
Data for Dibenzoyl peroxide (78% in water)  
slightly irritative to the eyes  
non-irritative to the skin  
Toxicity levels are as follows:  
Acute oral toxicity - LD 50 > 5000 mg/kg  
Acute inhalation toxicity - LC 50 > 24.3mg/l/4lb  
It is potentially mutagenic, and gives a negative ames test

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#### 12. Ecological Information

There are no ecotoxicological tests available for this product.  
Data for Dibenzoyl peroxide (78% in water)  
Aquatic toxicity: acute fish toxicity (LC 50 (96h) = 2.0mg/L  
inhibition of respiratory activity of activated sludge at 35mg/L.  
Biodegradability: It is easily biodegradable. method: QECD301D

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#### 13. Disposal Considerations

The product must be taken to an authorised special waste dump or special incineration plant pre-treatment as special waste following local regulations in accordance with the regulations on special waste.  
European Waste Catalogue (EWC) 070799: Waste otherwise not specified

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#### 14. Transport Information

This is dangerous according to the transport regulations:  
GGVS / GGVE / RID / IDMG code / IACO-TI

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#### 15. Regulatory Information

Labelling in accordance with the EC directive (and in accordance with supplement II of the directive on preparations 88/379/EEC).  
Index letter of danger posed by substance:  
Xi Irritant  
hazardous component:  
Dibenzoyl peroxide.  
R-Phrases:  
R36 / R38 irritating to the skin and eyes.  
S-phrases:  
S3 / S7-37 / S39. Keep container tightly closed in a cool place. Wear suitable gloves, eye and face protection. If the preparation is freely available (i.e. as a public product) the following additional safety advice is required (S2). Keep out of the reach of children.  
National regulations:  
observe national regulations

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#### 16. Other Information

This product should be used as directed by V.W.Fecit. For further information consult the application data sheet or contact Technical Services Department, Anglo Adhesives & Services Ltd.

This safety data sheet was compiled using the current safety information supplied by the distributors of the component materials. This Safety Data sheet, in the CHIP format, supersedes all previous issues, and users are cautioned to ensure it is current. Destroy all previous data sheets, and if in any doubt, contact Anglo Adhesives & Services Ltd.. This leaflet may contain inappropriate information under particular conditions of use.