

Product: **ANCHOR BOND ACTIVATOR**

Code: BDAB 380/150 Date of Issue: September 2003

Version: 1

1. PREPARATION AND COMPANY IDENTIFICATION:

Preparation Trade Name: **BOND IT ANCHOR BOND ACTIVATOR**

Supplier: **Bond It**

Address: Sherwood House, Huntingdon Road, Brighouse, West Yorkshire. HD6 1PZ, ENGLAND.

Telephone: (+44) 01484 727400

Emergency: As Above

2. COMPOSITION/ INFORMATION ON INGREDIENTS:

Chemical Composition

Dibenzoyl Peroxide paste in phthalate plasticizer and inert fillers.

Symbol

Risk Phrase

CAS Number

Chemical Name

%

Classification

94-36-0

Dibenzoyl Peroxide

<18%

3. HAZARD IDENTIFICATION:

Fire: May cause fire. May cause sensitisation by skin contact.

Health: May cause sensitisation by skin contact.

4. FIRST AID MEASURES:

Inhalation: Remove person to fresh air. If discomfort persists seek medical advice.

Skin Contact: Wash off with soap and water.

Eye Contact: Irrigate immediately with clean water for 15 minutes and obtain medical attention.

Ingestion: If swallowed, seek medical advice immediately. Do not induce vomiting.

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media: Dry powder, water spray, CO₂ and foam.

Unsuitable Extinguishing Media: Halones

Extraordinary Hazards: If involved in a fire will support combustion. In case of fire do not breathe fumes.

Special Protective Equipment Required: Wear suitable protective clothing. Self contained breathing apparatus if involved in a large fire.

6. ACCIDENTAL RELEASE MEASURES:

Scrape up and place in a suitable container. Wash area with water. Do not empty into drains.

7. HANDLING AND STORAGE:

Storage: Keep away from sources of ignition and heat. No sparking tools should be used. Never bring into direct contact with accelerator. Store in a cool, dry place. Keep away from reducing agents, e.g. amines, acids, alkalis, heavy metal compounds.

Handling: Wear suitable protective clothing.

8. Exposure Controls:

Occupational Exposure Limits. 5.0 mg/m³.

Engineering: Explosion proof ventilation recommended

Ventilation: Not normally required when using small quantities

Respiratory Protection: Not required for normal use

Eye Protection: Goggles if splashes can occur

Skin Protection: Wear gloves and overalls

Ingestion: N/A during normal use

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Coloured smooth paste

Viscosity: N/A

Boiling Point: Do not distil (decomposes)

Melting Point: Not required

Flammability: Will support combustion if involved in a fire.

Oxidising Properties: Oxidising

Odour: Faint

Specific Gravity: 1.50 g/cm³ (20°C)

Boiling Range: N/A

Flashpoint: Above the SADT (50°C)

Auto-Flammability: >380°C

Explosive Properties: None

Vapour Pressure: Not determined

Evaporation Rate: N/A
pH: Slightly acidic

Solubility: Partly miscible in H₂O

10. **STABILITY AND REACTIVITY:**

Stability: A dangerous self-accelerating decomposition reaction and under certain circumstances explosion or fire can be caused by direct contact with incompatible substances or by thermal decomposition.

Incompatibility: Violent reactions may be expected with acid, alkali, heavy metals and reducing agents. Avoid contact with rust. Do not mix with peroxide accelerators.

Hazardous Polymerisations: None

Hazardous Decomposition: Carbon dioxide, Benzoic Acid, Benzene, Diphenyl, Phenyl Benzoate.

11. **TOXICOLOGICAL INFORMATION:**

Based on Dibenzoyl Peroxide 78% in water)

Oral: LD₅₀ rat > 5000 mg/kg
Inhalation: LD₅₀ rat > 24.3 mg/l 4 hours exposure time max.
Skin: Non irritating
Eyes: Mildly Irritating (5 minute exposure time)

12. **ECOLOGICAL INFORMATION:**

Based on Dibenzoyl Peroxide

Fish Acute toxicity, 96 h - LC₅₀ = 2.0 mg/l (peocilia reticulata)

Bacteria Activated sludge respiration inhibition test EC₅₀ = 35 mg/l readily biodegradable.

13. DISPOSAL CONSIDERATIONS: Dispose of in accordance with local regulations. Contaminated packaging should be collected for recycling or most probably controlled incineration.

14. **TRANSPORT INFORMATION:**

ADR class 5.2 Item number 8b

RIS class 5.2 Item number 8b

UN Number 3108

Trem Card Cefic Tec (R) 52G01

Proper shipping name - Organic Peroxide Type E Solid (Dibenzoyl Peroxide)

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15. **REGULATORY INFORMATION:**

Label: Oxidising

R7 May cause fire.
R43 May cause sensitisation by skin contact.

S2 Keep out of reach of children.
S3/7/9 Keep container tightly closed in a cool, well ventilated area.
S14 Keep away from reducing agents e.g. amines, acids, alkalis, heavy metal compounds e.g. accelerators, driers, metal soaps.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S50B Do not mix with Peroxide accelerators.
S50C Do not mix with reducing agents.

EEC Symbol

16. **OTHER INFORMATION:**

The data contained in this Safety Data Sheet has been supplied as required by the Chemical (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information. This information is given in good faith, being based on the latest knowledge available to Bond It. No known relevant information has been omitted from this Material Safety Data Sheet and the information provided is designed to enable the user to use the product safely. The user should not assume on the basis of the information provided in this sheet that the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, contact Bond It for further advice before the proposed application is undertaken.

Product: **ANCHOR BOND BASE**

Code: BDAB 380/150

Date of Issue: September 2003

Version: 1

1. PREPARATION AND COMPANY IDENTIFICATION:

Preparation Trade Name: **BOND IT ANCHOR BOND BASE**

Supplier: **Bond It**

Address: Un G16 River Bank Way, Lowfields Business Park, Elland, West Yorkshire. HX5 9DN. England.

Telephone: (+44) 01422 315300

Emergency: As Above

2. COMPOSITION/ INFORMATION ON INGREDIENTS:

Chemical Composition

Unsaturated polyester resin in styrene with inorganic fillers.

<u>CAS Number</u>	<u>Chemical Name</u>	<u>%</u>	<u>Classification</u>
100-42-5	Styrene	<16%	Xn; F

3. HAZARD IDENTIFICATION:

Harmful; Flammable; Irritant vapour

Health: Acute Effects - Irritant of skin, eyes and respiratory tract.

Long-Term Effects - Irritant. Can cause skin disorders with repeated prolonged exposure. Inhalation of vapour can cause nausea and headaches.

4. FIRST AID MEASURES:

Inhalation: Remove person to fresh air. If discomfort persists seek medical advice.

Skin Contact: Wash off with soap and water.

Eye Contact: Irrigate immediately with clean water for 15 minutes and obtain medical attention.

Ingestion: If swallowed, seek medical advice immediately. Do not induce vomiting.

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media: Dry powder, CO₂ and foam.

Extraordinary Hazards: Flammable. Sealed containers when heated can pressurise leading to explosion. Emits acrid black smoke and irritating fumes when heated to decomposition.

Special Protective Equipment Required: Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Scrape up and place in a suitable container. Wash area with water. Do not empty into drains or sewers.

7. HANDLING AND STORAGE:

Storage: Keep away from sources of ignition and heat. No sparking tools should be used. Store in a cool, dry, well ventilated area below 25°C. Store separately from peroxides.

8. Exposure Controls:

Occupational Exposure Limits. Long Term: 100 ppm
Short Term: 10 minutes 250ppm

Respiratory Protection: If forced air extraction is not available in enclosed areas an organic vapour mask will be required if the occupational exposure limit is exceeded.

Eye Protection: Goggles if splashes can occur

Skin Protection: Wear gloves at all times

Ingestion: Unlikely during normal use

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Thick coloured paste	Odour:	Styrene
Viscosity:	N/A	Specific Gravity:	1.63 g/cm ³ (20°C)
Boiling Point/Range:	N/A	Melting Point/Range:	N/A
Flashpoint:	31°C	Flammability:	Flammable
Auto-Flammability:	490°C	Evaporation Rate:	N/A
Explosive Properties:	Lower Limit:1.1% Upper Limit:6.1%	Oxidising Properties:	None
Vapour Pressure:	6.52mb @ 20°C (Styrene)	Solubility:	Insoluble in water

10. STABILITY AND REACTIVITY:

Stability: Can polymerise (solidify) exothermically if heated, exposed to air, sunlight or by addition of free radical initiators. Stable under normal conditions.

Materials To Avoid: Reacts vigorously with strong oxidising agents and peroxides.

Hazardous Polymerisations: Polymerisations in a closed container can give rise to pressure, which may rupture the vessel.

Hazardous Decomposition: Emits acrid smoke and irritating fumes when heated to decomposition.

11. TOXICOLOGICAL INFORMATION:

Oral: Material is classed as harmful. An LD₅₀ rat is 5g/kg for Styrene. LC₅₀ rat ranges between 2770-6000ppm.

Inhalation: Lung irritant can induce drowsiness and eventual unconsciousness.

Skin: Modest irritant.

Eyes: Severe irritant.

12. ECOLOGICAL INFORMATION:

Do not discharge into drains or the environment.

13. DISPOSAL CONSIDERATIONS: Uncured - place in a suitable container and dispose of as chemical waste in accordance with local regulations. Small quantities may be reacted with the corresponding amount of activator. Allow to cure and dispose of as solid waste.

14. TRANSPORT INFORMATION:

Harmful. Flammable.

UN Number / SI No: 3269 Polyester Resin Kit

Hazard Class 3 ; Packing Group III

15. REGULATORY INFORMATION:

Label: Harmful; Flammable

R10 Flammable.

R20 Harmful by inhalation.

R36/38 Irritating to skin and eyes.

S2 Keep out of reach of children.

S23 Do not breathe vapour.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

EEC Symbol

16. OTHER INFORMATION:

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