

**MATERIAL SAFETY DATA SHEET**

According to EU Directive 93/112/EC

**WOODFILLER HARDENER PASTE**

Version: 2

Print date: 27.1.05

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

Product Name	Woodfiller Hardener Paste
Company	Biokil Crown Ltd 7 Stadium Ind Park, Long Eaton Nottingham, NG10 2DD
Telephone	0115 946 0060
Fax	0115 946 9767
Emergency Telephone	07967 10 71 95

**2. Composition / Information on ingredients**

These products are considered to be as a preparation in conformance to EC directive.

Products Description: smooth unctuous paste

Composition/information on ingredients

Number:	%W/W:	CAS Number:	Chemical Name:
1	50.0	94-36-0	Dibenzoyl peroxide
2	25.0	84-69-5	Diisbutyl phthalate
Number:	EEC number:	Symbols:	Risk Phrases:
1	617-008-00-0	E Xi	R7, R36 & R43
2		none	none
Other Information		Balance: None hazardous ingredients	

**3. Hazards identification**

May cause fire, Irritating to the eyes      Irritant (Xi)  
May Cause sensitization by skin contact

**4. First aid measures – if in doubt or where symptoms persist, seek medical attention .**

Inhalation:	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped administer respiration. Give nothing by mouth. If unconscious place in recovery position. Seek medical advice.
Skin contact:	Wash thoroughly with soap and water. If symptoms persist seek medical advice. May cause sensitization by skin contact.
Eye Contact:	Irrigate copiously with clean, fresh water for at least 15 minutes, holding eyelids apart. Seek medical advice-irritating to eyes.
Ingestion:	if accidentally swallowed. Do not induce vomiting. Keep at rest and seek medical advice.

**5. Fire fighting measures**

Extinguisher media suitable:	Carbon Dioxide, foam and dry powder.
Not suitable:	Water.
Protection of fire fighters:	Wear individual breathing apparatus.

**6. Accidental release measures**

Personal precautions:	Wear Personal Protective Equipment (PPE) e.g. gloves.
Environmental precautions:	Do not discharge into sewers.
Methods of cleaning up	
Recovery	Contain and collect any liquid spillage with non-combustible absorbent materials, e.g. sand, earth vermiculite or diatomaceous earth, and, and place in a suitable container for disposal according to local regulations.
Disposal	Dispose of by using an authorized collection agent and ensure waste material is taken to an authorized disposal station.

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**7. Handling and storage**

Handling:	Never bring peroxide into direct contact with accelerator during processing.
Prevention of worker exposure:	Ensure efficient ventilation when using this product. Eating, drinking or smoking should be prohibited in the work area.
Prevention of fire and exposure:	Close containers after use. Keep away from sources of ignition
Storage:	Keep away from re-active agents (e.g. amines), acids, alkalis and heavy metal compounds (e.g. accelerators, driers, metal soaps). Store in accordance with local/national regulations. Store in a cool, dry and well ventilated place away from direct sunlight and all sources of ignition. Do not mix with re – active agents. Keeps container upright to prevent leakage.

**8. Exposure controls / personal protection**

Occupational Exposure limits	(MEL-TWA)
Product Name:	Dibenzoyl Peroxide
MEL – TWA	5.0 mg/m <sup>3</sup>
Personal Protective Equipment:	
Respiratory Protective Equipment:	Avoid the inhalation of vapours and particulate. Where reasonably practicable this should be achieved by local exhaust ventilation. In case of insufficient ventilation during application/preparation wear suitable respiratory equipment. When sanding wear dust mask.
Hand protection:	Wear solvent resistant gloves handling uncured material
Eye protection:	Wear eye/face protection.
Skin & Body Protection:	Wear appropriate protective clothing – launder clothes before re-use.

**9. Physical and chemical properties**

Appearance:	Physical state:	paste
	Colour:	
	Odour:	faint
Specific temperatures	Boiling point range:	Do not distill (Decomposes)
Risk of Fire of Explosion	Flash Point:	Above the SADT value
	Melting point/range	- 10 °C
	Flammability:	Not determined
	Auto-ignition temperature:	>380 °C
	Explosive Properties	No
	Explosion Limits	not applicable
	Oxidizing properties	not applicable
	Vapour Pressure	not applicable
	Density	1150 – 1170 kg/m <sup>3</sup> (20 °C)
	Bulk density	not determined
Solubility in other solvents	pH value	Slightly acidic character
	Partition coefficient n - Octanol/water	not determined
	Relative vapour density (air = 1)	not determined
	Viscosity	thixotropic paste
	Active oxygen content	3.24 – 3.37%
	Peroxide content	49.0 – 51.0%
	SADT	50 °C see also Section 10:
	Other information	
	Specific conductivity	not determined

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**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
Conditions to avoid:	Violent reactions may be expected with acid, alkali, heavy metals and re – active agents. Avoid contact with rust. Do not mix with peroxide accelerators. Do not mix re – active agents.
Materials to avoid:	Use only steel 316, PVC, polyethylene or glass line equipment.
Hazardous decomposition:	Not determined
Other information	The SADT (self accelerating decomposition temperature) is an Experimentally derived temperature in a typical package will undergo self accelerating decomposition.

**11. Toxicological information**

Name	Based on: Dibenzoyl peroxide 78% in water
Acute toxicity	
Oral LD50	rat: >5000mg/kg
Inhalation LC50	rat: >24.3MG/L ; 4 hours exposure time max. attainable concentration
Skin irritation	Non – irritating (4 hours exposure time)
Eye irritation	Mildly irritating (5 min. exposure time); Moderately irritating
Inhalation	Harmful by inhalation.
Genotoxicity	Ames test: Not mutagenic

**12. Ecological information**

Name:	Based on: Dibenzoyl peroxide 78% water	
Ecotoxicity	Fish	Acute toxicity, 96h – LC50 = 2.0 mg/l (Poeciliareticula)
	Bacteria	Activated sludge respiration inhibition test EC50 = 35 mg/l
Acute Toxicity	Marine Hazard	
Fate	Degradation Biotic	Readily Biodegradable (Closed bottle test)

**13. Disposal considerations**

Waste material and containers must be treated as a fire hazard and disposed of in accordance with the general requirements of the control of pollution Act 1974, the special waste regulations 1996 and the environmental Protection Act 1990. Due regard should be given to the "Duty of Care" required under the regulations and the guidance given under this act.

**14. Transport information****Sea (IMDG)**

Proper shipping name:	Organic peroxide type e, solid (Dibenzoyl peroxidel)	
IMO/IMDG code:	page 5228	
UN number:	3108	MFAG 735
Class:	5.2	
Packing group:	II	
Marine pollutant (p or pp):	no	

**Land (RID/ADR):**

Transport Name:	Organic peroxide type e, solid (Dibenzoyl peroxidel)	
RID/ADR class:	5.2	ADR item number 8b
Trem – card number:	CEFIC TEC(R) – 52G01	RID item number 8b
UN number:	3108	

**AIR (ICAO/IATA):**

Proper shipping name:	Organic peroxide type e, solid (Dibenzoyl peroxidel)	
UN number:	3108	
Class:	II	
Packing group:	II	

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**15. Regulatory information**

Product Description: Dibenzoyl peroxide, 50% paste with diisobutyl phthalate

Labelling according to EC directives

EEC-number:

N/A



Symbol(s):

Xi Irritant

O Oxidising

Risk phrase(s):

R7 – May cause fire

R36/38 irritating to eyes

Safety phrase(s):

S3/7 keep container tightly closed in a cool place.

S14. Keep away from re – active agents (e.g. amines, acids, alkalis) and heavy metal compounds (e.g. accelerators, driers, metal soaps).

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

S50 Do not mix with peroxide – accelerators or re – active agents.

**16. Other Information**

The main hazard likely to be encountered during refinishing operations is the production of airborne dust which should be regarded as a potential danger to health. The main hazard likely to be encountered when mixing fillers is vapour which should also be regarded as a potential risk to health. References should be made to the following HSE publications: EH40, EH42 and EH44.

This data sheet has been prepared in accordance with the requirements of EC Directives 93/112/EC and The Chemical (Hazard information and Packaging For supply) Regulations 1994.

The information and recommendations contained herein are, to the best of Grove Part Ltd. Knowledge and belief, accurate and reliable as of the date issued, but are offered without guarantee or warranty. They relate to the specific material designated and may not be valid for such material used in combination with other materials or in any other process. Conditions of use of the material are under and completeness of information for his own particular use.