



MATERIAL  
SAFETY DATA SHEET

January 2013

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

**Product** DeckProof Primer Asphalt **Catalyst**  
**Company Name** EcoProof LTD  
The Enterprise Zone  
Sheffield  
S1 4DP  
Tel: 084433 56386  
Fax: 01948 841 018  
www.ecoproof.co.uk

2. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous Ingredients** Dibenzoyl peroxide

Name	EC No	CAS -No	Content	Symbol	R Phrase
Dibenzoyl peroxide	202-327-6	94-36-0	50%	E Xi	R2, R7, R36, R43
Dicyclohexyl phthalate	201-545-9	84-61-7	50%	None	None

3. HAZARDS IDENTIFICATION

**Main Hazards** May cause fire, Irritating to eyes. May cause sensitization by skin contact.

4. FIRST AID MEASURES

**Skin contact** Remove contaminated clothing, wash with soap and copious amounts of water. In case of skin eruption seek medical advice.  
**Eye contact** Immediately flush eyes with running water for at least 15 minutes without interruption. Seek medical advice.  
**Ingestion** **DO NOT** induce vomiting. Immediately rinse the mouth with water. If swallowing has occurred drink water in small sips. Seek medical attention promptly.  
**Inhalation** Move affected person to fresh air. In case of irritation to respiratory system or mucous membranes, or if you feel unwell or in prolonged exposure, get medical attention.

5. FIRE-FIGHTING MEASURES

**Extinguishing media** Dry powder, Carbon Dioxide, Foam and Water Spray.  
**Unsuitable**  
**Extinguishing media** Halones  
**Exposure Hazards** If involved in a fire, it will support combustion. In case of fire and/or explosion do not breath fumes  
**Protection of fire-fighters** Wear full protective clothing and self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Avoid skin, eye and clothing contact. Wear suitable protective clothing. Provide



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**Environmental precautions** sufficient ventilation during use. Do not breathe dust  
Prevent from entering sewer system, surface water or soil. Collect as much as possible in a clean container for re-use or disposal

**Clean-up procedures** Sweep up with dustpan and brush off inert material, flushing the remainder with water

**7. HANDLING AND STORAGE**

**Handling requirements** Keep product and emptied container away from heat and sources of ignition. Never bring peroxide in direct contact with accelerator during processing.

**Storage conditions** Keep away from reducing 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 dry well ventilated place away from sources of direct heat and direct sunlight. Do not mix with peroxide accelerators. Do not mix with reducing agents. Keep container tightly closed in a cool well ventilated place.

**Suitable packaging** Must only be kept in original packaging.

**Other Information** When using do not eat, drink or smoke. Wash thoroughly after handling. Keep working clothing separately and do not take them home.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Hand protection** Wear suitable gloves of neoprene or synthetic rubber.

**Eye protection** Wear eye face protection

**Skin protection** Wear suitable protective clothing. The usual precautionary measures for handling chemicals should be observed. Launder clothes before re-use.

**Exposure Control Limits** Dibenzoyl peroxide, MEL-TWA 5.0mg/cubic m

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State** Free flowing powder

**Colour** White

**Odour** Faint

**Solubility in water** Insoluble

**Density** 1230kg/cubic m (20C)

**Flash point °C** Above the SADT value

**10. STABILITY AND REACTIVITY**

**Stability** A dangerous self acceleration decomposition reaction and, under certain circumstances, explosion or fire can be caused by direct contact with incompatible substances or by thermal decomposition at and above the following temperature: +60C.

**Conditions to avoid** Violent reactions may be expected with acid, alkali, heavy metals and reducing agents. Avoid contact with rust. Do not mix with peroxide accelerators. Do not mix with reducing agents

**Materials to avoid** Use only stainless steel 316, PVC, polyethylene or glass lined equipment



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**11. TOXICOLOGICAL INFORMATION**

**Ingestion** LD50 Acute oral toxicity in rats : >5000mg/kg.  
**Eye Contact** Mildly irritating (5 minute exposure time)  
**Skin Contact** Non-irritating (4 hours exposure time)  
**Genotoxicity** Ames test: not mutagenic

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity** Fish – Acute toxicity, 96h-LC50=2.0mg/l(poecilia reticulata)  
Bacteria – Activated sludge respiration inhibition test EC50=35mg/l  
**Degradability** Degradation Biotic – Readily biodegradable (closed bottle test)

**13. DISPOSABLE CONSIDERATIONS**

Probably in controlled incineration but according to local regulations. Sweep up with dustpan and brush off inert material, flushing the remainder with water. Collect for recycling or most probable controlled incineration. Dilute before burning with organic solvents. Controlled incineration according to local regulations is always preferred. If not possible burn in small portions on a remote place, using a torch with a long rod to ignite the material

**14. TRANSPORT INFORMATION**

**ADR/RID**

<b>UN no</b>	3106	<b>ADR Class</b>	5.2
<b>Packing Group</b>	II	<b>Classification code</b>	
<b>Proper Shipping Name</b>	Organic peroxide type d, solid; (Dibenzoyl peroxide)	<b>Hazard ID no</b>	30

**IMDG/IMO**

<b>UN no</b>	3106	<b>Class</b>	5.2
<b>Packing Group</b>	II	<b>EmS</b>	
<b>Marine Pollutant</b>	No	<b>Labelling</b>	

**IATA/ICAO**

<b>UN no</b>	1866	<b>Class</b>	5.2
<b>Packing Group</b>	II	<b>Packing Instruction</b>	
<b>Labelling</b>			

**15. REGULATORY INFORMATION**

**Hazard Symbol** Oxidising, Irritant  
**Risk Phrases** R7, May cause fire.  
R36, Irritating to eyes.  
R43, May cause sensitization by skin contact.  
**Safety Phrases** S3/7, Keep container tightly closed in a cool place.  
S14, Keep away from reducing agents(e.g. amines), acids, alkalis and heavy metal compounds.  
S22, Do not breath dust  
S36/37/39, Wear suitable protective clothing, gloves and eye/face protection.  
S50, Do not mix with peroxide-accelerators or reducing agents



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**16. OTHER INFORMATION**

**Other information** Read in conjunction with appropriate Base M.S.D.S

**Legal disclaimer**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. EcoProof Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.