



**MATERIAL
SAFETY DATA SHEET**

January 2012

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

Product	DeckProof Anti-Skid	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

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

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 re-cycling 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

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

IMDG/IMO

UN no	3106	Class	5.2
Packing Group	II	EmS	
Marine Pollutant	No	Labelling	

IATA/ICAO

UN no	1866	Class	5.2
Packing Group	II	Packing Instruction	
Labelling			

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.