

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) Name: Benzoyl Peroxide.
Part of Kits - Catalogue # C023, C024, C025, C026, C032.

Other Names:

Recommended Use: A catalyst for LR White.

Supplier Name: ProSciTech
Postal Address: PO Box 111, Thuringowa Central Qld. 4817 Australia
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444
Fax Number: (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to criteria of NOHSC.
Risk Phrases:
Safety Phrases:

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE:

Chemical Identity: Benzoyl Peroxide
Common Name(s):
CAS Number(s): 94-36-0

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Benzoyl Peroxide	94-36-0	70-75
Water	7732-18-5	25-30

SECTION 4 - FIRST AID MEASURES

Swallowed: Wash out mouth with water, never give anything to an unconscious person. Seek immediate medical attention.

Eye: Flush eyes with water for at least 15 minutes, separating your eyelids with your fingers. Contact a specialist.

Skin: Wash skin with water for at least 15 minutes, remove contaminated clothing and wash before reuse. Contact physician if irritation persists.

Inhaled: Remove person to fresh air, if breathing becomes difficult seek medical attention.

First Aid Facilities: Eye bath, Safety shower.

Medical Attention & Special Treatment:

ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, dry chemical powder, or appropriate foam.
Hazards from Combustion Emits toxic fumes under fire conditions.
Products:
Precautions for Fire Fighters: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Hazchem Code:

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Evacuate area.
Containment and clean up: Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Sweep up the spill, place into a container and hold for waste disposal. Avoid raising dust. Ventilate the area and wash spill site after material pickup is complete.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:	Do not breathe dust, get in eyes, on skin or on clothing. Avoid prolonged or repeated exposure. Use under a fume hood in a well ventilated area. Use appropriate protective clothing. Wash hands after use.
Conditions for Safe Storage:	Keep container tightly closed and away from combustible materials, heat, sparks and open flame. Store around 2-8°C.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards:	No exposure standard allocated.
Biological Limit Values:	No biological limit allocated.
Engineering Controls:	Use only under a fume hood.
Personal Protective Equipment:	NIOSH/MSHA approved respirator, chemical resistant gloves, chemical safety goggles and protective clothing.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	White Crystalline Powder.
Odour:	Not available.
pH:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Boiling point/range:	Not available
Freezing/melting point:	103-104°C.
Solubility:	Insoluble.
Specific gravity or density:	Not available
Flash Point:	Not available
Flammable (explosive) limits:	Not available
Ignition temperature:	80°C.
Additional Information:	

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Unstable. Self ignition is possible.
Conditions to avoid:	Heat. Contamination.
Incompatible Materials:	Strong acids, bases, oxidising agents. Amines, polymerising initiators, reducing agents.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide and benzoic acid.
Hazardous Reactions:	

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute and chronic health effects:	LD50 oral rat, >950mg/kg. LD50 oral rat >5000mg/kg. LC50 inhalation rat >22.4ppm. Skin rabbit 4hr no irritation. Eye rabbit 4hr severe irritation. May cause skin sensitisation.
Possible routes of exposure:	Skin/eye contact, inhalation, ingestion.
Range of effects following exposure:	May cause skin irritation, harmful if absorbed through the skin. Causes eye irritation. May be harmful if inhaled, material may be irritating to the mucous membranes and upper respiratory tract. May be harmful if ingested. Target organs are lungs, nerves and testes.
Dose likely to cause injury:	
Delayed effects:	
Relevant negative data:	

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	LC50 Fish, 96hrs, 2mg/l. EC50 Daphnia, 48hrs, 2.9mg/l. EC50 Algae, 72hrs, 0.83mg/l.
Persistence and degradability:	
Mobility:	
Additional Information:	

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods: Contact a licenced professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

Special Precautions:

SECTION 14 - TRANSPORT INFORMATION

UN Number: UN3104
UN Proper Shipping Name: Organic Peroxide type C, Solid.
Class and Subsidiary risk: 5.2
Packing Group: II
Special Precautions for User:
Hazchem Code:

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None allocated

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: 14 September 2007
