



Code	Description	Size	Colour
60090	Toptec Resin Anchor (Component B)	300ml	Black

Recommended use:	Hardener	
HSNO group standard:	Not required	
UN number, shipping name and packaging group:	Not required	
Supplier contact details:	Holdfast NZ Ltd	Freephone: 0800 TOPTEC
	14 Avalon Drive	Phone: (07) 847 5540
	Nawton	Fax: (07) 847 0324
	Hamilton 3200	Email: sales@toptec.co.nz
	New Zealand	Website: www.toptec.co.nz
POISON CENTRE NUMBER: 0800 764 766 (24 hours)		

2. Hazards Identification

2.1 Hazardous Substances and New Organisms (HSNO) classification:

Classification	Hazard statement
5.2B	Organic peroxides: type B
6.4A	Irritating to the eye
6.5B	Contact sensitisers
9.1D	Slightly harmful in the aquatic environment or are otherwise designed for biocidal action

2.2 Symbols:



2.3 Precautionary Statements:

Not required.

3. Composition/Information on Ingredients

3.1 Information on the ingredients used in the substance:

Ingredient	CAS No.	Individual HSNO classification	Concentration (%)
dibenzoyl peroxide (-)	94-36-0 202-327-6	5.2B, 6.4A, 6.5B, 9.1D	1 - < 20
2-ethylhexyl benzoate (-)	5444-75-7 226-641-8	No data.	1 - < 20
oxydipropyl dibenzoate (-)	27138-31-4	No data.	0.1 - < 2.5

4. First Aid Measures

- 4.1 Skin contact:**
Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.
- 4.2 Eye contact:**
Rinse with water. Do not apply neutralizing agents. Take victim to an eye specialist if irritation persists.
- 4.3 Inhalation:**
Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
- 4.4 Ingestion:**
Rinse mouth with water. Do not induce vomiting. Consult a doctor/medical service if victim feels unwell.
- 4.5 Advice for physicians:**
Treat symptomatically.

5. Fire-Fighting Measures

- 5.1 Extinguishing media:**
Water spray. ABC powder. Carbon dioxide.
- 5.2 Special hazards due to combustion:**
Upon combustion: CO and CO₂ are formed.
- 5.3 Advice for fire-fighters:**
If exposed to fire cool the closed containers by spraying with water.
- 5.4 Hazchem code:**
No data.

6. Accidental Release Measures

- 6.1 Personal precautions:**
No naked flames.
- 6.2 Environmental precautions:**
Contain leaking substance. Use appropriate containment to avoid environmental contamination.
- 6.3 Methods for cleaning up:**
Start with disposal only in the presence of experts.
Spill must not return in its original container.
Scoop solid spill into closing containers.
Carefully collect the spill/leftovers.
Take collected spill to manufacturer/competent authority.
Clean contaminated surfaces with an excess of water.
Wash clothing and equipment after handling.
- 6.4 Disposal:**
Contact local and regional authorities for further direction.

7. Handling and Storage

7.1 Handling:

Observe very strict hygiene - avoid contact.
Do not discharge the waste into the drain.
Handle and open the container with care.
Remove contaminated clothing immediately.
Clean contaminated clothing.

7.2 Storage:

Keep container tightly closed
Keep out of direct sunlight
Store in a cool area
Store in a dry area
Keep away from: heat sources, ignition sources, oxidizing agents

Storage temperature: 5 – 25 °C
Quantity limits: N.D. kg
Storage life: 365 days
Materials for packaging:
- suitable : synthetic material

8. Exposure Controls/Personal Protection

8.1 Exposure limits:

CAS no.	Substance or ingredient	WES-TWA	WES-STEL
94-36-0 202-327-6	dibenzoyl peroxide (-)	No Data	No Data
5444-75-7 226-641-8	2-ethylhexyl benzoate (-)	No Data	100 ppm
27138-31-4 248-258-5	oxydipropyl dibenzoate (-)	No Data	No Data

8.2 Engineering Controls:

Keep away from naked flames and heat.

8.3 Exposure controls:

Control	Protective measure
Eye	Use safety glasses to avoid contact with eye.
Respiratory	Wear gas mask with filter type A if concentration in air > exposure limit
Skin	Protective clothing. Suitable materials: GIVE GOOD RESISTANCE: Synthetic material

9. Physical and Chemical Properties

9.1 General substance properties:

Property	Details
Appearance	Paste
Colour	Black
Odour	Characteristic
pH	No data.
Vapour pressure	No data.
Viscosity	No data.
Boiling Point	No data.
Volatile materials	No data.
Freezing/melting point	No data.
Solubility	No data.
Specific gravity/density	No data.
Flash point	No data.

Danger of explosion	No data.
Auto-ignition temperature	No data.
Upper and lower flammability limits	No data.
Corrosiveness	No data.

10. Stability and Reactivity

10.1 Stability:

Stable under normal conditions

10.2 Conditions to avoid:

No data available

10.3 Incompatible materials to avoid:

Keep away from: heat sources, ignition sources

10.4 Hazardous decomposition products:

Upon combustion formation of CO, CO₂ and small quantities of nitrous vapours

11. Toxicological Information

11.1 Summary of Toxicity

This product is considered non-toxic. Ingestion may still cause sickness to varying degrees in individuals.

11.2 Acute toxicity:

Test	Data and symptoms of exposure
Oral	Low acute toxicity by the oral route
Dermal	No data
Inhaled	Low acute toxicity by the inhalation route
Eye	Causes serious eye irritation.
Skin	Not classified as irritating to the skin

11.3 Chronic toxicity:

Test	Data and symptoms of exposure
Sensitisation	May cause sensitization by skin contact
Mutagenicity	Not listed in mutagenicity class (EC,MAK)
Carcinogenicity	Not listed in carcinogenicity class (IARC,EC,TLV,MAK)
Reproductive/developmental	Not classified as toxic to reproduction (EC)
Systemic/targeted organs	No data.

12. Ecological Information

12.1 Ecological properties

Ecology	Ecological data
Aquatic ecotoxicity	No data.
Soil ecotoxicity	No data.
Terrestrial vertebrate	No data.
Terrestrial invertebrate	No data.
Mobility	This product contains 0% volatile organic compounds (VOC).
Degradability	No data.

13. Disposal Considerations

13.1 Disposal methods:

Incinerate under surveillance with energy recovery.

Do not discharge into drains or the environment.

13.2 Disposal restrictions:

Incinerate under surveillance with energy recovery.

Do not discharge into drains or the environment.

13.3 Special precautions for disposal:

Waste material code packaging (Directive 2008/98/EC).

14. Transport Information

14.1 Dangerous goods transport information:

Identification	Details	Identification	Details
UN number	3108	Proper shipping name	Organic peroxide type E, solid (dibenzoyl peroxide)
UN class	5.2	Subsidiary risk	No data.
UN packing group	No data.	Hazchem code	No data.

14.2 Transport provisions by land according to the Standard for the Transport of Dangerous Goods on Land (NZS 5433):

No data.

14.3 Transport provisions by sea according to the International Maritime Dangerous Goods (IMDG) code:

No data.

14.4 Transport provisions by air according to International Civil Aviation Organization (ICAO) Technical Instructions:

No data.

15. Regulatory Information

15.1 HSNO approval number and Group Standard:

Not required.

15.2 Group Standard conditions and other regulations:

Condition	Requirement
MSDS	No data.
Labelling	No data.
Emergency plan	No data.
Approved handler	No data.
Tracking	No data.
Bundling and secondary containment	No data.
Signage	No data.
Test certificate	No data.
Flammable zone	No data.
Fire extinguisher	No data.

16. Other Information

16.1 Date of preparation or revision:

Created 17th September 2013

16.2 Abbreviations:

Abbreviation	Description
CAS number	Number assigned to chemical in the Chemical Abstracts Service registry
HAZCHEM code	Code used by fire-fighters to determine correct method of action in the case of fire
HSNO	Hazardous Substances and New Organisms (Act)

ICAO Technical Instructions	International Civil Aviation Organization Technical Instructions
IMDG code	International Maritime Dangerous Goods code controlled by the International Maritime Organization (IMO)
LC50	Lethal concentration 50% - concentration fatal to 50% of the tested population
LD50	Lethal dose 50% - dose fatal to 50% of the tested population
NZS 5433	New Zealand Standard 5433 (Standard for the Transport of Dangerous Goods on Land)
SDS	Safety data sheet
STEL	Short term exposure limit
TWA	Time weighted average (typically measured as 8 hours)
UN number	United nations number
WES	Workplace exposure standard

16.3 References

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