



Code	Description	Size	Colour
60000	Toptec MS Sealant	425gm	White
60001	Toptec MS Sealant	425gm	Grey
60002	Toptec MS Sealant	425gm	Black
60022	Toptec MS Sealant	600ml	White
60021	Toptec MS Sealant	600ml	Grey
60020	Toptec MS Sealant	600ml	Black

Recommended use:	Flexible sealant
HSNO group standard:	Not required
UN number, shipping name and packaging group:	Not required
Supplier contact details:	Holdfast NZ Ltd
	14 Avalon Drive
	Nawton
	Hamilton 3200
	New Zealand
	Freephone: 0800 TOPTEC
	Phone: (07) 847 5540
	Fax: (07) 847 0324
	Email: sales@toptec.co.nz
	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:

Non-hazardous according to HSNO criteria.

2.2 Symbols:

Not required.

2.3 Precautionary Statements:

Not required.

3. Composition/Information on Ingredients

3.1 Information on the ingredients used in the substance:

Non-hazardous according to HSNO criteria.

4. First Aid Measures

4.1 Skin contact:

Rinse with soap and water. If irritation develops and persists seek medical assistance.

4.2 Eye contact:

Rinse with water. See an ophthalmologist.

4.3 Inhalation:

Remove affected individual to fresh air. If develop respiratory problems seek medical assistance.

4.4 Ingestion:

Rinse mouth with water. If ingestion occurs give lots of water to drink. If affected individual becomes unwell seek medical assistance.

4.5 Advice for physicians:

Treat symptomatically.

5. Fire-Fighting Measures

5.1 Extinguishing media:

Use any effective media. No unsuitable media known.

5.2 Special hazards due to combustion:

Combustion will result in the production of carbon monoxide and carbon dioxide and small quantities of nitrous oxide.

5.3 Advice for fire-fighters:

Use gloves and protective clothing. If exposed to heat or fire use compressed air/oxygen apparatus.

5.4 Hazchem code:

No data.

6. Accidental Release Measures

6.1 Personal precautions:

Use protective equipment to avoid contact with skin, eyes and lungs.

6.2 Environmental precautions:

Use adequate containment to avoid environmental contamination.

6.3 Methods for cleaning up:

Cover solid spill with sand. Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

6.4 Disposal:

Product is considered non-hazardous according to HSNO criteria and may be disposed of within landfill or incinerated. For incineration mixed product first with combustible solvent. Contact local and regional authorities for further direction.

7. Handling and Storage

7.1 Handling:

Keep away from naked flames and heat. Maintain proper hygiene when using this product. Keep container tightly closed.

7.2 Storage:

Store in a dry area at room temperature.

8. Exposure Controls/Personal Protection

8.1 Exposure limits:

Non-hazardous according to HSNO criteria.

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	Respiratory protection not required under normal conditions.
Skin	Wear protective clothing to avoid contact with skin.

9. Physical and Chemical Properties

9.1 General substance properties:

Property	Details
Appearance	Paste with variable colour, depending on composition
Odour	Mild
pH	No data.
Vapour pressure	No data.
Viscosity	No data.
Boiling Point	No data.
Volatile materials	VOC of 1.48%
Freezing/melting point	No data.
Solubility	No data.
Specific gravity/density	Density of 1.42
Flash point	>200oC
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:

Keep away from naked flames and heat.

10.3 Incompatible materials to avoid:

Water and moisture.

10.4 Hazardous decomposition products:

Combustion can result in the release of carbon dioxide, carbon monoxide 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	Ingestion may cause nausea and vomiting.
Dermal	No data.
Inhaled	No data.
Eye	No data.
Skin	No data.

11.3 Chronic toxicity:

Test	Data and symptoms of exposure
Sensitisation	No data.
Mutagenicity	No data.
Carcinogenicity	No data.
Reproductive/developmental	No data.
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 1.48% volatile organic compounds (VOC).
Degradability	No data.

13. Disposal Considerations

13.1 Disposal methods:

This product may be treated by burning in an incineration facility. Dissolve or mix product first with combustible solvent. Burning must be managed to the performance requirements of regulation 6(3)(b) of the Hazardous Substances (Disposal) Regulations 2001. This product may also be disposed of in a landfill provided this product is kept separated from contact with explosives, oxidisers and ignition sources at all times. Further details can be provided by the local and regional authorities in regards to compliance with the Resource Management Act.

13.2 Disposal restrictions:

The burning operation must not exceed any relevant exposure limits and/or environmental exposure limits set for the substance or any of its components. Disposal in a landfill may only be performed where this product is kept separated from contact with explosives, oxidisers and ignition sources at all times. Disposal in a landfill must also not exceed any relevant exposure limits and/or environmental exposure limits set for the substance or any of its components. Further details can be provided by the local and regional authorities in regards to compliance with the Resource Management Act.

13.3 Special precautions for disposal:

This product is considered a water pollutant in Germany.

14. Transport Information

14.1 Dangerous goods transport information:

Identification	Details	Identification	Details
UN number	No data.	Proper shipping name	No data.
UN class	No data.	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.
Bunding 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

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material in combination with any other material or in any process, unless specified in the text.