



Code	Description	Size	Colour
60080	Toptec Industrial Silicone	300ml	Clear
60081	Toptec industrial Silicone	300ml	White
19324	Toptec Industrial Silicone	300ml	Grey
60085	Toptec Industrial Silicone	600ml	Clear

Recommended use:	Sealer
HSNO group standard:	HSR002662
UN number, shipping name and packaging group:	1133, ADHESIVES containing flammable liquid
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:

DANGER Highly flammable liquid and vapour.

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:

Ingredient	CAS No.	Individual HSNO classification	Concentration (%)
Toluene (Benzene, methyl)	108-88-3	3.1B, 6.1D (oral), 6.1D (inhalation), 6.3A, 6.4A, 6.8B, 6.9B (inhalation), 9.1D (fish), 9.1D (crustacean), 9.1D (algal), 9.3C	No data
Medium White Spirits	64742-82-1	No data	No data
Medium Non-hazardous materials	-	No data	No data

4. First Aid Measures

4.1 Skin contact:

Remove contaminated clothing and wash skin with warm soapy water. Do not scrub. If swelling, redness, blistering or irritation occurs, get medical assistance.

4.2 Eye contact:

Immediately hold open and flood with water for at least 15 minutes. Eyelids to be held open. Get medical advice.

4.3 Inhalation:

Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

4.4 Ingestion:

Rinse mouth with water. Get medical advice immediately. Do NOT give anything to drink. Do NOT induce vomiting because of risk of aspiration. Never give anything by the mouth to an unconscious patient. Watch for toxic effects.

4.5 Advice for physicians:

Treat symptomatically. Effects may be delayed.

5. Fire-Fighting Measures

5.1 Extinguishing media:

Water fog, foam, dry chemical, carbon dioxide.

5.2 Special hazards due to combustion:

Unknown due to the complex nature of this material. Fumes from complete or incomplete combustion of this material may include carbon dioxide, carbon monoxide, water vapour, oxides of nitrogen or a wide variety of innocuous or toxic fumes. Solvent vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along ground to sources of ignition.

5.3 Advice for fire-fighters:

Wear full protective equipment, including self contained breathing apparatus.

5.4 Hazchem code:

3[Y]E

6. Accidental Release Measures

6.1 Personal precautions:

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours.

6.2 Environmental precautions:

Use appropriate containment to avoid environmental contamination. See heading 13

6.3 Methods for cleaning up:

Contain spill to prevent run off into drains and waterways. Use absorbent (rags, soil, sand, or other inert material). Collect using spark-free shovels (ie. plastic) and seal in properly labelled containers or drums for disposal or recycling.

6.4 Disposal:

See Disposal section of this SDS for further details.

7. Handling and Storage

7.1 Handling:

Avoid breathing of or contact with material. Use only in well ventilated areas. Keep away from heat, sparks, open flames and any other sources of ignition. Static electricity must be avoided. Wear the appropriate personal protection equipment as specified in this SDS to prevent eye and skin contact. Wash thoroughly after handling.

7.2 Storage:

Store in a cool, dry, well ventilated place and out of direct sunlight. Keep away from heat, sparks, open flames and any other sources of ignition. Static electricity must be avoided. Store away from any incompatible materials as defined in Section 10 of this SDS. Keep containers closed when not in use. Check regularly for leaks. For unit sizes of 20 litres or more, store according to HSNO.

8. Exposure Controls/Personal Protection

8.1 Exposure limits:

Highly flammable liquid and vapour.

8.2 Engineering Controls:

Use in a well ventilated area only. Vapour is heavier than air. Prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected. Keep containers in a well ventilated area. Explosion proof general and local exhaust ventilation system is required.

8.3 Exposure controls:

Control	Protective measure
Eye	Wear safety glasses, goggles or appropriate face shield.
Respiratory	Avoid fume inhalation. Wear organic vapour respirator, especially if working in a poorly ventilated area.
Skin	Avoid skin contact. Avoid repeated and prolonged skin contact. Wear overalls or similar protective clothing. Wear solvent resistant gloves, and enclosed footwear.

9. Physical and Chemical Properties

9.1 General substance properties:

Property	Details
Appearance	Thick paste – various colours
Odour	Solvent
pH	No data.
Vapour pressure	No data.
Viscosity	No data.
Boiling Point	110 – 200
Volatile materials	No data.
Freezing/melting point	No data.
Solubility	Low solubility with water
Specific gravity/density	0.94
Flash point	7 °C
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:

This material is stable when stored and used as directed.

10.2 Conditions to avoid:

Avoid heat, sparks, flames and any other sources of ignition.

10.3 Incompatible materials to avoid:

Strong oxidising agents.

10.4 Hazardous decomposition products:

Thermal decomposition is highly dependant on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation. Will react with strong oxidising agents.

11. Toxicological Information

11.1 Summary of Toxicity

Information given in this Safety Data Sheet is based on the data on the components and the toxicology of similar products. No adverse health effects are expected if the product is handled in accordance with this SDS and the product label.

11.2 Acute toxicity:

Test	Data and symptoms of exposure
Oral	Harmful if swallowed. LD50 >2000 mg/kg bw.
Dermal	Harmful if contact with skin. LD50 >2000 mg/kg bw.
Inhaled	Harmful if inhaled. LC50 >20 mg/L in air
Eye	Causes eye irritation.
Skin	Causes skin irritation.

11.3 Chronic toxicity:

Test	Data and symptoms of exposure
Sensitisation	No data.
Mutagenicity	Not expected to be mutagenic.
Carcinogenicity	Not expected to be carcinogenic.
Reproductive/developmental	Suspected of damaging fertility or the unborn child.
Systemic/targeted organs	May cause damage to organs through prolonged or repeated exposure.

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	VOC of 0%. Insoluble in water. Product is denser than water.
Degradability	The solvent in this product is readily biodegradable. The remainder of the product is expected to biodegrade slowly.

13. Disposal Considerations

13.1 Disposal methods:

Do not dispose of down drains or into local waterways. Recycle or recover whenever possible. Dispose of substance to a hazardous or special waste collection point or through a licensed contractor. Normally suitable for incineration by an approved agent.

13.2 Disposal restrictions:

Disposal should be in accordance with Hazardous Substances (Disposal) Regulations 2001, and with any other applicable regional and national laws and regulations.

13.3 Special precautions for disposal:

No data.

14. Transport Information

14.1 Dangerous goods transport information:

Identification	Details	Identification	Details
UN number	1133	Proper shipping name	ADHESIVES containing flammable liquid
UN class	3	Subsidiary risk	Not applicable
UN packing group	II	Hazchem code	3[Y]E

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:

HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2006

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 18th November 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.