



Code	Description	Size	Colour
20178	Toptec Facade 25LM PU Elastic Joint Sealant	600ml	Grey

Recommended use:	Sealant	
HSNO group standard:	HSR002670	
UN number, shipping name and packaging group:	Not Subject	
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

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

2. Hazards Identification

2.1 Hazardous Substances and New Organisms (HSNO) classification:

Classification	Hazard statements
6.1D	H302 Harmful if swallowed H332 Harmful if inhaled
6.3B	H315 Causes mild skin irritation
6.5A	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
6.5B	H317 May cause an allergic skin reaction
6.8B	H361 Suspected of causing damage to fertility or the unborn child
6.9B	H373 Suspected of damaging organs through prolonged or repeated ingestion, inhalation or dermal contact
8.3A	H318 Causes serious eye damage
9.1C	H412 Harmful to aquatic life with long lasting effects

2.2 Symbols:



2.3 Signal Word:
DANGER

2.4 Precautionary Statements:

H302/ H332	Harmful if swallowed or inhaled
H315	Cause mild skin irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H317	May cause an allergic skin reaction
H361	Suspected of causing damage to fertility or the unborn child
H373	Suspected of causing damage through prolonged or repeated ingestion, inhalation or skin contact
H318	Causes serious eye damage
H412	harmful to aquatic life with long lasting effects

3. Composition/Information on Ingredients

3.1 Information on the ingredients used in the substance:

Ingredient	CAS No.	Individual HSNO classification	Concentration (%)
Polyoxypropylene glycol	25322-69-4	Acute oral toxicity Category 4 (6.1D); Eye Effects Category 2 (6.4A); Respiratory Effects Category 3 (6.9B)	10 – 20
Polyether polyol	25322-68-3	Acute oral toxicity Category 4 (6.1D); Eye Effects Category 2 (6.4A); Respiratory Effects Category 3 (6.9B)	10 – 20
4,4-methylenediphenyl diisocyanate	101-68-8	Acute oral toxicity Category 5 (6.1E); Acute inhalation toxicity Category 2 (6.1B); Skin Effects Category 2 (6.3A) ; Eye Effects Category 2 (6.4A); Respiratory Sensitisation Category 1 (6.5A); Skin Sensitisation Category 1 (6.5B); STOT-RE Category 2 (6.9B)	1 – 10
Xylene	1330-20-7	Flammable Liquid Category 3 (3.1C); Acute oral toxicity Category 4 (6.1D); Acute dermal toxicity Category 4 (6.1D); Acute inhalation toxicity Category 5 (6.1E); Skin Effects Category 2 (6.3A); Eye Effects Category 2 (6.4A); Reproductive Toxicity Category 2 (6.8B); STOT-RE Category 2 (6.9B); Chronic Aquatic Toxicity Category 4 (9.1D), terrestrial vertebrate toxicity Category 3 (9.3C)	1 – 10
N,N-dibenzylidene polyoxypropylene diamine polymer	136855-71-5	Skin Effects Category 1 (8.2B); Eye Effects Category 1 (8.3A)	1 – 10
Diocetyl adipate	103-23-1	Acute Aquatic Toxin Category 1 (9.1A); Chronic Aquatic Toxic Category 1 (9.1A)	1 – 10
Ethylbenzene	100-41-4	Flammable Liquid Category 2 (3.1B); Acute oral toxicity Category 5 (6.1E); Acute inhalation toxicity Category 4 (6.1D); Skin Effects Category 2 (6.3A); Eye Effects Category 2 (6.4A); Carcinogenicity Category 2 (6.7B); Reproductive Toxicity Category 2 (6.8B); STOT-RE Category 2 (6.9B); Chronic Aquatic Toxicity Category 4 (9.1D), soil toxicity Category 4 (9.2D)	< 1
4-isocyanato sulfonyl toluene	4083-64-1	Skin Effects Category 2 (6.3A); Eye Effects Category 2 (6.4A); Respiratory Sensitisation Category 1 (6.5A)	< 1
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	Flammable Liquid Category 4 (3.1D); Skin Sensitisation Category 1 (6.5B); Acute Aquatic Toxicity Category 1 (9,1A); Chronic Aquatic Toxicity Category 1 (9.1A)	< 1
Ingredients not contributing to classification	Various		60 – 70

4. First Aid Measures

4.1 Skin contact:

Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a Poisons Centre or a doctor. Transport to hospital or doctor without delay.

4.2 Eye contact:

Flush eyes with running water for at least 15 minutes. Remove contact lenses if possible and easy to do, continue rinsing. Contact lenses may pose a special hazard. Soft contact lenses may absorb and concentrate irritants. In the event of chemical exposure, begin eye irrigation immediately and remove contact lenses as soon as practicable. Lenses should be removed at the first signs of eye redness or irritation – lens should be removed in a clean environment only after workers have washed hands thoroughly.

4.3 Inhalation:

If inhalation has occurred, remove to fresh air and observe until recovered. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device or pocket mask as trained. Perform CPR if necessary

4.4 Ingestion:

IF SWALLOWED, rinse mouth, do NOT induce vomiting.

5. Fire-Fighting Measures

5.1 Extinguishing media:

Water spray. Polyvalent foam. ABC powder. Carbon dioxide.

5.2 Special hazards due to combustion:

Heating increases the fire hazard. Upon combustion Carbon oxides and Nitrogen oxides are formed.

5.3 Advice for fire-fighters:

No specific fire-fighting instructions required.

5.4 Hazchem code:

No data.

6. Accidental Release Measures

6.1 Personal precautions:

See heading 8.2.

6.2 Environmental precautions:

See heading 13.

6.3 Methods for cleaning up:

Scoop solid spill into closing containers. Clean contaminated surfaces with a soap solution. Wash clothing and equipment after handling.

6.4 Disposal:

Collect treated spillage. Contact local and regional authorities for further directions.

7. Handling and Storage

7.1 Handling:

Keep away from naked flames/heat. Observe strict hygiene. Keep container tightly closed.

7.2 Storage:

Store in a dry area. Keep container in a well-ventilated place. Store at room temperature. Meet the legal requirements.

Storage temperature: 20 °C
Max. storage time: 1 year(s).
Keep away from: oxidizing agents
Suitable packaging material: synthetic material

8. Exposure Controls/Personal Protection

8.1 Exposure limits:

CAS no.	Substance or ingredient	WES-TWA	WES-STEL
101-68-8	4,4-methylenediphenyl diisocyanate	0.02 mg/m ³	0.07 mg/m ³
1330-20-7	Xylene	217 mg/m ³	Not available
100-41-4	Ethylbenzene	434 mg/m ³	543 mg/m ³

8.2 Engineering Controls:

General (mechanical) room ventilation is considered satisfactory in enclosed spaces. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

8.3 Exposure controls:

Control	Protective measure
Eye	Wear safety glasses with side shields or goggles when handling this material.
Respiratory	Type A Organic vapour respirator of sufficient capacity
Skin	Overalls, Butyl gloves, boots

9. Physical and Chemical Properties

9.1 General substance properties:

Property	Details
Appearance	Paste
Odour	Characteristic odour
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	1.24 g/ml
Flash point	Not applicable
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:

Heat sources.

10.3 Incompatible materials to avoid:

Oxidizing agents.

10.4 Hazardous decomposition products:

Upon combustion CO and CO₂ are formed.

11. Toxicological Information

11.1 Summary of Toxicity

This product is considered harmful.

11.2 Acute toxicity:

Test	Data and symptoms of exposure
Oral	Harmful
Dermal	No evidence of dermal toxicity.
Inhaled	Harmful
Eye	Serious damage
Skin	Mild irritation

11.3 Chronic toxicity:

Test	Data and symptoms of exposure
Sensitisation	Respiratory and skin
Mutagenicity	No data.
Carcinogenicity	No data.
Reproductive/developmental	Suspected reproductive toxin
Systemic/targeted organs	Suspected repeated exposure toxin

12. Ecological Information

12.1 Ecological properties

Ecology	Ecological data
Aquatic ecotoxicity	Harmful with long term effects
Soil ecotoxicity	No data.
Terrestrial vertebrate	No data.
Terrestrial invertebrate	No data.
Mobility	Contains volatile organic compounds (VOC) of 0.135%.
Degradability	Biodegradability in water: no data available

13. Disposal Considerations

13.1 Disposal methods:

This product may be disposed of in a landfill provided this product will be kept separated from contact with explosives, oxidisers and ignition sources at all times. This product may be disposed of by burning in an incineration facility. This product may be disposed of by purging. Further details can be provided by local and regional authorities.

13.2 Disposal restrictions:

The product must not be disposed of in a landfill or purged within range of legally located persons and places, where upon ignition, would expose them to more blast pressure and heat radiation that described in regulation 6(3)(b) of the Hazardous Substances (Disposal) Regulations 2001. Burning must be managed to the performance

requirements of regulation 6(3)(b) of the Hazardous Substances (Disposal) Regulations 2001. Disposal of this product by landfill, burning or purging must 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 local and regional authorities.

13.3 Special precautions for disposal:

No data.

14. Transport Information

14.1 Dangerous goods transport information:

Identification	Details	Identification	Details
UN number	Not subject	Proper shipping name	Not subject
UN class	Not subject	Subsidiary risk	Not subject
UN packing group	Not subject	Hazchem code	Not subject

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

Not regulated

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

Not regulated

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

Not regulated

15. Regulatory Information

15.1 HSNO approval number and Group Standard:

HSR002670 Surface Coatings and Colourants (subsidiary hazard)

15.2 Group Standard conditions and other regulations:

Condition	Requirement
SDS	Safety data sheet must be available to a person handling the substance within 10 minutes.
Emergency plan	Required when present in quantities 1,000 L.
Approved handler	Not required
Tracking	Not required
Bundling and secondary containment	Not required
Signage	Required when present in quantities 1,000 L.
Test certificate	Not required
Flammable zone	Not required
Fire extinguisher	Not required

16. Other Information

16.1 Date of preparation or revision:

Revised 12 August 2015.

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 SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as 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.

This SDS was prepared by Collievale Enterprises in accord with the EPA "Code of Practice for the Preparation of Safety Data Sheets" [HSNOCOP 8-1 (2006)]
<http://www.collievale.com> Phone +64 7 5432428

End of MSDS