



Good bonds last.

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Gen-x Gap Sealer**
Product Code: 1400000
Product Use: Sealant/adhesive
Restrictions of use: Refer to Section 15

New Zealand Supplier: **Sabre Adhesives Ltd**
Address: 42 Cambridge Street
Levin, 5510, New Zealand
Telephone: +64 (0)6 366 0007
Emergency No: **0800 764 766 (National Poison Centre)**

Australian Supplier: **Sabre Adhesives Ltd**
Address: Level 6, 10 Herb Elliot Avenue,
Sydney, NSW, 2127
Telephone No: +61 2 9098 8244
Emergency No: **13 11 26 (National Poison Line)**

Date SDS Issued: 27 October 2022 v2

Section 2. Hazards Identification

Australia:

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

New Zealand:

Classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2020.

NZ - EPA Approval Code: Surface Coatings and Colourants (subsidiary) - HSR002670

Pictograms



SIGNAL WORD: Warning

GHS Category	Hazard Code	Hazard Statement
--------------	-------------	------------------

Reproductive toxicity Cat. 2	H361	Suspected of damaging fertility or the unborn child.
---------------------------------	------	--

Prevention Code	Prevention Statement
-----------------	----------------------

P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.

P281	Use personal protective equipment as required.
------	--

Response Code Response Statement

P308 + P313	IF exposed or concerned: Get medical advice/ attention.
-------------	---

Storage Code Storage Statement

P405	Store locked up.
------	------------------

Disposal Code Disposal Statement

P501	Dispose of according to the local authorities
------	---

Section 3. Composition of hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	$\geq 5 - < 10$	6846-50-0
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]	≤ 1	13463-67-7
1,2-benzisothiazol-3(2H)-one (BIT)	$\geq 0.0025 - < 0.025$	2634-33-5
2-methyl-2H-isothiazol-3-one (MIT)	$\geq 0.0002 - < 0.0015$	2682-20-4
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247- 500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239- 6] (3:1) (C(M)IT/MIT (3:1))	$\geq 0.0002 - < 0.0015$	55965-84-9

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice.
If on Skin	Rinse skin with water/shower. If skin irritation occurs: Get medical advice/ attention.
If Swallowed	Do not induce vomiting. Wash out mouth with water. Do not give milk or alcoholic beverages. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.
If Inhaled	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.

Most important symptoms and effects, both acute and delayed

Symptoms: Suspected of damaging fertility or the unborn child.

Notes to Doctor: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from products	None known.
Suitable Extinguishing media	In case of fire, use water/water spray/water jet/carbon dioxide /sand/foam/alcohol resistant foam/chemical powder for extinction.
Precautions for firefighters and special protective clothing	In the event of fire, wear self-contained breathing apparatus.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

For personal protection, see Section 8.
Keep unnecessary and unprotected personnel away from the spillage.

No special environmental precautions required.

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Dispose of according to Local Regulations.

Section 7. Handling and Storage

Handling and Storage:

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Smoking, eating and drinking should be prohibited in the application area.
- Wash hands before breaks and at the end of the workday.
- Isolate from incompatible materials detailed in Section 10.
- Store in original container.
- Keep container tightly closed in a dry and well-ventilated place.

Section 8 Exposure Controls / Personal Protection

Exposure Limit Values:

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Titanium dioxide	[13463-67-7]	-	10	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13TH EDITION.

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Personal Protection Equipment:

Eyes	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water.
Hands and Skin	Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min. Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.
Respiratory	In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

Section 9	Physical and Chemical Properties
------------------	---

Appearance	Paste
Colour	Various
Odour	Not available
Odour Threshold	Not available
pH	8.5 – 9.5 – Concentration: 100%
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	>61°C
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	0.01 hPa
Density	1.65 g/cm ³
Solubility in water	Soluble
Partition Coefficient:	Not available
Auto Ignition temp	Not available
Oxidising	Not available
Viscosity, Kinematic	> 20,5 mm ² /s (40°C)

Section 10. Stability and Reactivity

Stability of Substance	Stable at normal ambient temperatures and when used as recommended.
Conditions to Avoid	None known.

Incompatible Materials	None known.
Hazardous Decomposition Products	No hazards to be specially mentioned.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate:	>3200 mg/kg (rat)	>5000 mg/kg (rat)	-
1,2-benzisothiazol-3(2H)-one (BIT):	597 mg/kg(rat)	>2000mg/kg (rabbit)	0.4 mg/L/4hr Dust/mist

Section 12. Ecotoxicological Information

This product is not known to be hazardous to the environment.

Persistence and degradability	No data available
Biodegradation	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method: Triple rinse and dispose of according to Local Regulations.
 Precautions: None known.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in Australia; ADG 7
 This product is NOT classified as a Dangerous Good for transport: NZS 5433:2020

Section 15 Regulatory Information

Australia:

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Poison Schedule No: Not Scheduled

New Zealand:

Classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2020

Section 16	Other Information
-------------------	--------------------------

Glossary

Cat	Category
EC50	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC50	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD50	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:**Australia:**

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
2. Standard for the Uniform Scheduling of Medicines and Poisons.
3. Australian Code for the Transport of Dangerous Goods by Road & Rail.
4. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
5. Workplace exposure standards for airborne contaminants, Safe work Australia.
6. American Conference of Industrial Hygienists (ACGIH).
7. Globally Harmonised System of classification and labelling of chemicals.

New Zealand:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS. The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the Australian Manufacturer or New Zealand distributor, if further information is required.

Issue Date: 27 October 2022

Review Date:

27 October 2027