



Good bonds last.

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **SabreBond SMP1045 – Part A**
SabreBond SMP1045 – Part B

Product Use: Adhesive, Sealants

Restrictions of use: Refer to Section 15

New Zealand Supplier: Sabre Adhesives Ltd
Address: 42 Cambridge Street South
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: 11 January 2024

Section 2. Hazards Identification

Australia:

Not 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:

Not classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Safety Data Sheets) Notice 2017 Part B Clause 9.

Section 3. Composition of hazardous Ingredients

Part A:

Ingredients	Wt%	CAS NUMBER.
Propane-1,2-diol, propoxylated	5 - 10	25322-69-4
trimethoxyvinylsilane; trimethoxy(vinyl)silane	1 - 3	2768-02-7
3-aminopropyltriethoxysilane	<1	919-30-2

Part B:

Ingredients	Wt%	CAS NUMBER.
Triethyl Phosphate	5 - 10	78-40-0

Section 4. First Aid Measures

Routes of Exposure:

Product Name: **SabreBond SMP1045 Part A&B** SDS Prepared by: Technical Compliance Consultants (NZ) Ltd
Date of SDS: 11 January 2024 Tel: +64 9 475 5240 WWW.techcomp.co.nz

If in Eyes	If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.
If on Skin	Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
If Swallowed	Rinse mouth with water. Never give anything by mouth to an unconscious person. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.
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: None known.

Notes to Doctor: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Highly flammable liquid and vapour.
Hazards from products	Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are: Carbon oxides (CO / CO ₂)
Suitable Extinguishing media	Alcohol-resistant foam, carbon dioxide, powder, water mist. Waterjets should not be used, since they can spread the fire.
Precautions for firefighters and special protective clothing	Fire fighters should wear appropriate personal protective equipment.
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures

For emergency responders:

No specific requirements.

Environmental precautions:

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill.

Methods and material for containment and cleaning up:

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents. Dispose as per Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Smoking, drinking and consumption of food is not allowed in the work area.

Precautions for Storage:

- Store Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
- Always store in containers of the same material as the original container.
- Storage Temperature: 5 – 30°C
- Store away from Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits

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.

3-aminopropyltriethoxysilane

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	2 mg/kg bw/day
Long term – Systemic effects - Workers	Inhalation	14 mg/m ³

Propane-1,2-diol, propoxylated

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	8.3 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	13.9 mg/kg bw/day
Long term – Local effects - General population	Inhalation	10 mg/m ³
Long term – Local effects - Workers	Inhalation	10 mg/m ³
Long term – Systemic effects - General population	Inhalation	29 mg/m ³
Long term – Systemic effects - Workers	Inhalation	98 mg/m ³
Long term – Systemic effects - General population	Oral	8.3 mg/kg bw/day

trimethoxyvinylsilane; trimethoxy(vinyl)silane

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	630 µg/kgbw/day
Long term – Systemic effects - Workers	Dermal	910 µg/kgbw/day
Long term – Systemic effects - General population	Inhalation	6.8 mg/m ³
Long term – Systemic effects - Workers	Inhalation	27.6 mg/m ³
Short term – Systemic effects - General population	Inhalation	54.4 mg/m ³
Short term – Systemic effects - Workers	Inhalation	73.6 mg/m ³

Long term – Systemic effects - General population	Oral	630 µg/kgbw/day
Triethyl phosphate:		
Duration:		
Long term – Systemic effects - General population	Dermal	1 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	2 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.74 mg/m ³
Long term – Systemic effects - Workers	Inhalation	9.9 mg/m ³
Long term – Systemic effects - General population	Oral	1 mg/kg bw/day
Short term – Systemic effects - General population	Oral	5 mg/kg bw/day

PNEC

3-aminopropyltriethoxysilane

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		500 µg/L
Freshwater sediment		1.8 mg/kg
Intermittent release (freshwater)		2.05 mg/L
Marine water		50 µg/L
Marine water sediment		180 µg/kg
Sewage treatment plant		810-1300 µg/L
Soil		69 µg/kg

Propane-1,2-diol, propoxylated

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		100-200 µg/L
Freshwater sediment		419-765 µg/kg
Intermittent release (freshwater)		1-1.06 mg/L
Marine water		10-20 µg/L
Marine water sediment		41.9-76.5 µg/kg
Sewage treatment plant		100 mg/L
Soil		30.6-109 µg/kg

trimethoxyvinylsilane; trimethoxy(vinyl)silane

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		400 µg/L
Freshwater sediment		1.5 mg/kg
Intermittent release (freshwater)		1.21 mg/L
Marine water		40 µg/L
Marine water sediment		150 µg/kg
Soil		60 µg/kg

triethyl phosphate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		632 µg/L
Freshwater sediment		5 mg/kg
Intermittent release (freshwater)		9 mg/L
Marine water		63.2 µg/L
Marine water sediment		500 µg/kg
Sewage treatment plant		298.5 mg/L
Soil		640 µg/kg

Engineering Controls

Apply general control to prevent unnecessary exposure.

Personal Protection Equipment



Eyes	Safety glasses.
Hands	No specific requirements. For prolonged exposure wear Nitrile gloves with 0.1mm thickness.
Skin	Wear suitable protective clothing.
Respiratory	No specific requirements.
General	Smoking, drinking and consumption of food is not allowed in the work area. In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Section 9 Physical and Chemical Properties

	Part A	Part B
Appearance	Paste	Paste
Colour	White, Black	Beige, sand
Odour	Characteristic	Not available
Odour Threshold	Not available	Not available
pH	Not available	Not available
Boiling Point	Not available	Not available
Melting/Freezing Point	Not available	Not available
Flash Point	Not available	Not available
Flammability	Not available	Not available
Upper and Lower Explosive Limits	Not available	Not available
Vapour Pressure	Not available	Not available
Vapour Density	Not available	Not available
Density	1.4	1.1
Solubility in water	Not available	Not available
Partition Coefficient:	Not available	Not available
Auto-ignition Temperature	Not available	Not available
VOC g/L	Not available	Not available
Particle Characteristics	Not available	Not available
Viscosity, dynamic	Not available	Not available
Viscosity, kinematic	Not available	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	None known.
Conditions to Avoid	None known.
Incompatible Materials	Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.
Hazardous Decomposition Products	Carbon oxides (CO / CO ₂).

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	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

Persistence and degradability	No additional information available
Biodegradation	No additional information available
Bioaccumulative potential	No additional information available
Mobility in soil	No additional information available
Effects in sewage plants:	No additional information available
Other adverse effects	No additional information available

Section 13. Disposal Considerations

Disposal Method:

Triple rinse container and dispose as per Local Regulations.

Precautions or methods to avoid: 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 in NZ ; NZS
5433:2020 and SNZ HB 5433:2021**

Section 15 Regulatory Information

Australia:

Australia NOHSC – NOT hazardous according to Safe Work Australia NOHSC 2011 National Code of Practice

Poison Schedule No: Not regulated

New Zealand:

Not classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Safety Data Sheets) Notice 2020.

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	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 13th edition.
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

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

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