SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	**SabreBond SMP45 MultiPurpose Adhesive/sealant**
Product Use:	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:	8 July 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 EPA Hazardous Substances (Classification) Notice 2020.

Other hazards
The product hydrolyses under formation of methanol (CAS-Nr. 67-56-1). Methanol is classified concerning both physical and health hazards. The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions.
Endocrine disrupting properties - human health: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Endocrine disrupting properties - environment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Section 3. Composition of hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Trimethoxyvinylsilane	≥1 - <3	2768-02-7
3-(Trimethoxysilyl)propylamine	≥1 - <2	13822-56-5

Non Hazardous ingredients	To 100	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes — Rinse opened eye for several minutes under running water. Get medical attention if irritation develops or persists.

If on Skin — Flush skin with plenty of water. Get medical attention if irritation develops or persists.

If Swallowed — Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. Obtain medical attention, as needed.

If Inhaled — Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If the affected person is not breathing, apply artificial respiration. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not use mouth-to-mouth method if victim inhaled the substance. Get medical attention, if needed.

Most important symptoms and effects, both acute and delayed

Symptoms:

Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes.

Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure. Further toxicology information in section 11 must be observed.

Section 5. Fire Fighting Measures

Hazard Type	Non-flammable.
Hazards from products	Risk of hazardous gasses or fumes in the event of fire. Exposure to combustion products may be a health hazard! Hazardous combustion products: toxic and very toxic fumes.
Suitable Extinguishing media	Alcohol-resistant foam, carbon dioxide , water mist , sprinkler system , sand , extinguishing powder. Do not use a water jet.
Precautions for firefighters and special protective clothing	Use respiratory protection independent of recirculated air. Keep unprotected persons away.
HAZCHEM CODE	**None allocated**

Section 6. Accidental Release Measures

Personal Precautions:

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. Avoid contact with skin and eyes. Do not inhale gases or vapours. Material may be slippery. Do not walk through spilled material.

Environmental Precautions:

Avoid discharge into drains, water courses or onto the ground.

Methods and Materials for containment and cleaning up:
Scoop up large quantities after dusting surfaces with sand or Fuller's earth to prevent sticking. Sweep or scrape up the spilled material and place in an appropriate chemical waste container. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction. Dispose as per Section 13.

Section 7. Handling and Storage

Precautions for Safe Handling:

- Ensure adequate ventilation.
- Must be syphoned off in situ.
- Product can separate methanol. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

Precautions for Safe Storage:

- Keep away from incompatible substances in accordance with section 10.
- Store in a dry and cool place.
- Protect against moisture.
- Store container in a well ventilated place.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA ppm	TWA mg/m³	STEL ppm	STEL mg/m³
Methanol	[67-56-1]	200	262	250	328

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 NOV 2023 14TH EDITION.

Engineering Controls
Observe standard industrial hygiene practices for the handling of chemical substances. Do not inhale
gases/vapours/aerosols. Use with adequate ventilation. Avoid contact with eyes and skin. Preventive skin
protection recommended. Remove contaminated, soaked clothing immediately. Clean work areas regularly.
Provide emergency shower and eye-bath. Do not eat, drink or smoke when handling. Keep away from
foodstuff, drink and feedingstuff.

Personal Protection Equipment

Eyes	Wear protective goggles.
Hands and Skin	Wear appropriate chemical resistant gloves and protective clothing.

Respiratory	If inhalative exposure above the occupational exposure limit cannot be excluded, adequate respiratory protection equipment must be used. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136. Recommended Filter type: Gas filter type ABEK (certain inorganic, organic and acidic gases and vapors; ammonia/amines), according to acknowledged standards such as EN 14387
General	Wash hands before breaks and at the end of work.

Section 9 Physical and Chemical Properties

Appearance **Physical State** **Form**	 Liquid Paste
Colour	Grey
Odour	Characteristic
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	$>200^0$C
Flammability	Not flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Relative Density	1.4 (Water / 4^0C = 1,000)
Density	1.4 g/cm^3
Solubility	Reacts with water.
Partition Coefficient:	Not available
Auto Ignition Temp	Product is not self-igniting.
Oxidising	Not available
Viscocity - Dynamic	48000 MpA.s @ 23^0C
Kinematic Viscosity	Not available

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Moisture, heat, open flames, and other sources of ignition.
Incompatible Materials	Reacts with water, basic substances and acids. The reaction takes place with the formation of methanol.
Hazardous Decomposition Products	Methanol by hydrolysis. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable. LD50 = >2000mg/kg
Dermal	Not applicable. LD50 = >2000mg/kg

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

This product is not hazardous to the environment.

Product:	
Persistence and degradability	Silicone content: biologically not degradable. Separation by sedimentation Product of hydrolysis (Methanol): Methanol is readily biodegradable.
Bioaccumulation	Bioaccumulation is not expected to occur.
Mobility in Soil	Silicone content: Insoluble in water.
Other adverse effects	None known.

Section 13. Disposal Considerations

Disposal Method:
Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.
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

Section 15 Regulatory Information

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

Poison Schedule No: Not Scheduled

New Zealand:
Not Classified as hazardous according to 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 Nov 2023.
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: 8 July 2024 Review Date: 8 July 2029