

Sabre[®]

Good bonds last.

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: SabreSeal NC Silicone Transparent
Product Use: Restrictions Adhesive
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 9244
Emergency No: **13 11 26 (National Poison Line)**

Date SDS Issued: 18 October 2017

Section 2. Hazards Identification

Australia – This substance is hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals, 3rd Revised Edition

NZ - This substance is hazardous according to The *HSNO (Minimum Degrees of Hazard) Regulations 2001*

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

Pictograms



Toxic/Irritant



Chronic

SIGNAL WORD: Warning

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
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6.3A	H315	Causes skin irritation.	Category 2
6.4A	H319	Causes serious eye irritation.	Category 2A
6.5B	H317	May cause an allergic skin reaction.	Category 1
6.8B	H361	Suspected of damaging fertility or the unborn child.	Category 2

Prevention Code	Prevention Statement
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P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing fumes and vapours.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective clothing.
P281	Use personal protective equipment as required.

Response Code	Response Statement
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P362	Take off contaminated clothing and wash before re-use.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code	Storage Statement
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P405	Store locked up.
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Disposal Code	Disposal Statement
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P501	Dispose of according to the local authorities
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Section 3. Composition of hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Methyl Tris (Methyl Ethyl Ketoximo Silane)	1-10	22984-54-9
Octamethylcyclotetrasiloxane	0.1 – 1.0	556-67-2

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

If on Skin	Rinse skin with water/shower. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs: Get medical advice/ attention.
If Swallowed	DO NOT induce vomiting. Rinse mouth thoroughly with water. Get medical attention if a symptom persists.
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

May cause an allergic skin reaction.

Section 5. Fire Fighting Measures

Hazard Type	The product is not flammable.
Hazards from products	Carbon dioxide, carbon monoxide, silicon oxides, and nitrogen oxides. At temperatures above 150 °C formaldehyde will form.
Suitable Extinguishing media	Water, alcohol-resistant foam, carbon dioxide, dry chemical.
Precautions for firefighters and special protective clothing	NIOSH-approved self-contained breathing apparatus and full protective clothing must be worn in case of fire. Remove undamaged containers from fire area if it is safe to do so. Use extinguishing media that is suitable to local circumstances and surrounding environment.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

For personal protection, see Section 8. Evacuate all unprotected personnel and ventilate area. Ensure adequate ventilation.

Prevent spillage from entering drainage/sewer systems.

Wipe or soak with inert liquid binding material (sand, sawdust, etc.). Scrape away cured material. Dispose the spilt material according to local or national regulations. Dispose of according to Local Regulations.

Section 7. Handling and Storage

Handling:

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid breathing fumes and vapours.
- Wash hands thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective clothing.
- Use personal protective equipment as required.

- Sealant releases methylethylketoxime (MEKO) during application and curing therefore ensure good ventilation during use.
- Avoid contact with skin and eyes. Do not eat, drink, or smoke when using the product.

Storage:

- Store locked up.
- Ensure containers and cartridges are tightly closed.
- Store in a dry, well-ventilated area, and protected from direct sunlight with temperature not exceeding 30 °C.
- Store away from incompatible materials listed in Section 10.

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

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.

Engineering Controls

Product curing may form hazardous compounds. Ensure adequate ventilation and minimise workplace exposure concentrations.



Personal Protection Equipment

Eyes	Protective goggles/safety glasses.
Hands and Skin	Suitable impervious protective gloves (latex, nitrile, etc.). Breakthrough time is not tested for this product. Change gloves often if possible.
Respiratory	A NIOSH-approved respirator with filter for organic vapours is recommended where local ventilation is not adequate.
Hygiene	Remove immediately all contaminated clothing. Do not inhale vapour. Wash hands and contaminated areas with water and soap before leaving the work site. Change clothing before leaving workplace and wash before reuse. Do not eat, drink, or smoke while using product.

Section 9 Physical and Chemical Properties

Appearance	Thixotropic paste
Colour	Not available
Odour	Slight unique odour

Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Relative Density	1.04
Solubility	Not available
Partition Coefficient:	Not available
Auto Ignition temp	Not available
Oxidising	Not available
Viscosity	Not available
Evaporation Rate	Not available

Section 10. Stability and Reactivity

Stability of Substance	Stable under recommended handling and storage conditions.
Conditions to Avoid	Exposure to water/water vapour and humid air. Strong oxidising agents.
Hazardous reactions	Hazardous polymerisation will not occur. Can react with strong oxidising agents. Hazardous decomposition products will be formed if exposed to water or humid air, and if used at elevated temperature.
Incompatible Materials	Moisture and strong oxidising agents.
Hazardous Decomposition Products	Methylethylketoxime (MEKO) is formed after exposure to water or moisture in air. Formaldehyde is formed at elevated temperature.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable. Methyltris(ethylmethylketoxime)silane >2,520 mg/kg
Dermal	Not applicable. Methyltris(ethylmethylketoxime)silane >2,000 mg/kg
Inhalation	Not applicable.
Eye	Causes serious eye irritation.
Skin	Causes skin irritation. May cause an allergic skin reaction.

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	May cause damage to organs through prolonged or repeated exposure.
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Additional notes:

This product will release methylethylketoxime (MEKO) on curing or in contact with water/moisture. A lifetime (about two years) inhalation study in male and female mice and rats revealed that liver tumours were observed in male mice and rats at a high exposure level of 375 ppm.

Section 12. Ecotoxicological Information

No adverse effect on aquatic organisms is predicted based on available information and/or concentration of component.

Individual components of this mixture have been independently tested by the raw material suppliers and any known results have been presented below. The results for the individual components may not be representative of the ecological toxicity of this finished product. This finished product has not been tested to determine individual toxicological/ecological limits.

Persistence and degradability	Product: No data available	Methyltris(ethylmethylketoxime)silane Not readily biodegradable. Exposure for 21 days, 14.5% biodegradation.
Bioaccumulation	Product: No data available	Methyltris(ethylmethylketoxime)silane Log Kow: 11.2
Mobility in Soil	Product: No data available	
Other adverse effects	Product: No data available	

Methyltris(ethylmethylketoxime)silane Toxicity to fish Toxicity to crustacean Toxicity to algae or other aquatic plants	Exposure for 96 hours, LC50: >120 mg/L Exposure for 48 hours, EC50: >120 mg/L Exposure for 72 hours, EC50: 94 mg/L
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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 5433:2012

Section 15 Regulatory Information

Australia:

Australia – This substance is hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals, 3rd Revised Edition

Poison Schedule No: Not Scheduled

New Zealand:

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

Classification: 6.3A, 6.4A, 6.5B, 6.8B

HSNO Controls in New Zealand:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan	1000L (6.5B)
Secondary Containment	1000L (6.5B)
Restriction of Use	None

Section 16 Other Information**Glossary**

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
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

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.
2. Safe Work Australia NOHSC 2011 National Code of Practice.

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 the 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) Ltd 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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