



Good bonds last.

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: Sabre Seal HT High-Temperature Silicone Transparent  
Product Use: Adhesive  
Restrictions of use: Refer to Section 15

**New Zealand Supplier:** Sabre Adhesives Ltd  
Address: 40-42 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: 9 February 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 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.
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**Storage Code      Storage Statement**

P405	Store locked up.
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**Disposal Code      Disposal Statement**

P501	Dispose of according to the local authorities
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**Section 3.      Composition of hazardous Ingredients**

Ingredients	Wt%	CAS NUMBER.
Silicon dioxide	1-10	7631-86-9
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. 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 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**

Suspected of damaging fertility or the unborn child.

**Section 5.      Fire Fighting Measures**

<b>Hazard Type</b>	The product is not flammable.
<b>Hazards from products</b>	Carbon dioxide, carbon monoxide, silicon oxides, and nitrogen oxides. At temperatures above 150 °C formaldehyde will form.
<b>Suitable Extinguishing media</b>	Water, alcohol-resistant foam, carbon dioxide, dry chemical.

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<b>Precautions for firefighters and special protective clothing</b>	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.
<b>HAZCHEM CODE</b>	<b>None allocated</b>

## 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.
- Use personal protective equipment as required.
- Ensure good ventilation.
- 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:

Components	CAS No.	Form of exposure (Value type)	Control Parameter	Basis
Silicon dioxide (inhalable particulate)	7631-86-9	8 hours TWA (Particulate matter containing no asbestos and <1% crystalline silica)	10 mg/m <sup>3</sup>	Malaysia OSHA
Silicon dioxide (respirable particulate)	7631-86-9	8 hours TWA (Particulate matter containing no asbestos and <1% crystalline silica)	3 mg/m <sup>3</sup>	Malaysia OSHA
Silicon dioxide	7631-86-9	8 hours TWA	80 mg/m <sup>3</sup> /(%SiO <sub>2</sub> )	US OSHA

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Silicon dioxide (inhalable dust)	7631-86-9	8 hours TWA	6 mg/m <sup>3</sup>	UK WEL
Silicon dioxide (respirable dust)	7631-86-9	8 hours TWA	2.4 mg/m <sup>3</sup>	UK WEL
Silicon dioxide	7631-86-9	8 hours TWA (Particulate matter containing no asbestos and <1% crystalline silica)	2 mg/m <sup>3</sup>	Safe Work Australia

### Engineering Controls

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

### Personal Protection Equipment



<b>Eyes</b>	Protective goggles/safety glasses.
<b>Hands and Skin</b>	Suitable impervious protective gloves (latex, nitrile, etc.). Breakthrough time is not tested for this product. Change gloves often if possible.
<b>Respiratory</b>	A NIOSH-approved respirator with filter for organic vapours is recommended where local ventilation is not adequate.
<b>Hygiene</b>	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

<b>Appearance</b>	Thixotropic paste
<b>Colour</b>	Not available
<b>Odour</b>	Acetic acid odour
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not flammable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Relative Density</b>	1.04
<b>Solubility</b>	Not available
<b>Partition Coefficient:</b>	Not available
<b>Auto Ignition temp</b>	Not available
<b>Oxidising</b>	Not available

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<b>Viscosity</b>	Not available
<b>Evaporation Rate</b>	Not available

### Section 10. Stability and Reactivity

<b>Stability of Substance</b>	Stable under recommended handling and storage conditions.
<b>Conditions to Avoid</b>	Exposure to water/water vapour and humid air. Strong oxidising agents.
<b>Hazardous reactions</b>	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.
<b>Incompatible Materials</b>	Strong oxidising agents.
<b>Hazardous Decomposition Products</b>	Formaldehyde is formed at elevated temperature.

### Section 11 Toxicological Information

#### Acute Effects:

<b>Swallowed</b>	Not applicable. Silicone Dioxide >3 300 mg/kg Octamethylcyclotetrasiloxane > 4 800mg/kg
<b>Dermal</b>	Not applicable. Silicon Dioxide >2,000 mg/kg Octamethylcyclotetrasiloxane > 2.5ml/kg
<b>Inhalation</b>	Not applicable. Silicon Dioxide >2.08mg/l Octamethylcyclotetrasiloxane > 2,975ppm
<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

#### Chronic Effects:

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

### 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.

<b>Persistence and degradability</b>	Product: No data available	Octamethylcyclotetrasiloxane Not readily biodegradable. Exposure for 28 days, 3.7% biodegradation.
<b>Bioaccumulation</b>	Product:	Octamethylcyclotetrasiloxane

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	No data available	Log Kow: 6.48
<b>Mobility in Soil</b>	Product: No data available	
<b>Other adverse effects</b>	Product: No data available	

Octamethylcyclotetrasiloxane Toxicity to fish Toxicity to crustacean Toxicity to algae or other aquatic plants	Exposure for 96 hours, LC50: >0.022 mg/L Exposure for 48 hours, LC50: >0.015 mg/L Exposure for 72 hours, EC50: 0.022 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:

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 as per EPA Hazardous Substances (Classification) Notice 2020.

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

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan	Not required
Secondary Containment	Not required
Restriction of Use	Only use for the intended purpose.

### 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.

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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 2020.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

#### Disclaimer

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Issue Date: 9 February 2022

Review Date:

9 February 2027