

## SAFETY DATA SHEET

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

Product: Sabre Seal CR  
 Product Use: Professional use sealant  
 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: 10 August 2021 v2

### 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:**  
 This product is classified as NOT hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2020.

### Section 3. Composition of hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Hydrocarbons, C18-C24, n-alkanes, isoalkanes, cyclics, <2% aromatics	10 - 15	EC940-734-7
silica	5 - 10	7631-86-9
Titanium dioxide	1 - 5	13463-67-7
Methyl tris-(methyl ethyl ketoximo) silane	1 - 5	22984-54-9
3-aminopropyltriethoxysilane	0.5 - 1	919-30-2
3-(2-aminoethylamino) propyltrimethoxysilane	0.5 - 1	1760-24-3
Tetrakis(methylethylketoximino)silane	0.1 - 0.5	34206-40-1

### Section 4. First Aid Measures

Product Name: Sabre Seal CR  
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#### Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice.
If on Skin	Remove/Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/ attention.
If Swallowed	Never give anything by mouth to an unconscious person. Consult a doctor if you feel unwell.
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:

Eyes: Direct contact with the eyes is likely slightly irritating

#### **Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Not Flammable
<b>Hazards from products</b>	None known.
<b>Suitable Extinguishing media</b>	All extinguishing media allowed.
<b>Precautions for firefighters and special protective clothing</b>	No special requirements.
<b>HAZCHEM CODE</b>	<b>None allocated.</b>

#### **Section 6. Accidental Release Measures**

Wear suitable protective gear as detailed in Section 8. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

Dispose of according to Section 13.

#### **Section 7. Handling and Storage**

##### **Handling:**

- Avoid any direct contact with the product
- Handling temperature: 5 – 40°C
- Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

##### **Storage:**

- Store in a dry, well ventilated area.
- Isolate from incompatible materials detailed in Section 10.

- Maximum storage period: 12 months.
- Storage temperature: 5 – 25°C

## Section 8 Exposure Controls / Personal Protection

### Exposure Limit Values:

#### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
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 NOV 2020 12TH EDITION.

### Engineering Controls

Ensure good ventilation of the work station

### Personal Protection Equipment

<b>Eyes</b>	Wear safety glasses.
<b>Hands and Skin</b>	Disposable gloves made of Nitrile rubber with a thickness of >0.1mm.
<b>Respiratory</b>	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Liquid Paste
<b>Colour</b>	According to product specification
<b>Odour</b>	Characteristic
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	Not applicable
<b>Boiling Point</b>	Not applicable
<b>Melting Point</b>	Not applicable
<b>Freezing Point</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Flammability</b>	Not applicable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not applicable
<b>Density</b>	1.03 g/ml
<b>Specific Gravity</b>	Not applicable
<b>Solubility in water</b>	Insoluble
<b>Partition Coefficient:</b>	Not applicable
<b>Auto Flammability</b>	Not applicable
<b>Oxidising</b>	Not applicable
<b>Viscosity</b>	Not available

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**Section 10. Stability and Reactivity**

<b>Stability of Substance</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	None known.
<b>Incompatible Materials</b>	None known.
<b>Hazardous Decomposition Products</b>	None known.

**Section 11 Toxicological Information****Acute Effects:**

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

**Chronic Effects:**

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

**Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)**

LD50 oral rat	2463 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
ATE CLP (oral)	2463 mg/kg bodyweight

**Tetrakis(methylethylketoximino)silane (34206-40-1)**

LD50 oral rat	2282.81 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
ATE CLP (oral)	2282.81 mg/kg bodyweight

**3-aminopropyltriethoxysilane (919-30-2)**

LD50 oral rat	2.69 mg/kg male
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LC50 Inhalation - Rat [ppm]	> 5 ppm male
ATE CLP (oral)	2.69 mg/kg bodyweight
<b>Titanium dioxide (13463-67-7)</b>	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)
LD50 dermal rat	> 10000 mg/kg
LD50 dermal rabbit	> 10000 mg/kg
LC50 Inhalation - Rat	> 6.82 mg/l
LC50 Inhalation - Rat (Dust/Mist)	> 6.82 mg/l/4h
<b>silica (7631-86-9/112945-52-5)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 oral	≥ 15000 mg/kg mouse
LD50 dermal rabbit	≥ 5000 mg/kg No irritant effect
ATE CLP (dermal)	5000 mg/kg bodyweight
<b>3-(2-aminoethylamino)propyltrimethoxysilane (1760-24-3)</b>	
LD50 oral rat	2295 mg/kg
LD50 dermal rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	1.49 – 2.44 mg/l air Animal: rat, Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity), Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
LC50 Inhalation - Rat (Dust/Mist)	> 1.49 mg/l/4h
ATE CLP (oral)	2295 mg/kg bodyweight
<b>Hydrocarbons, C18-C24, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

## Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

### Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)

LC50 - Fish [1]	> 120 mg/l Oncorhynchus mykiss (Rainbow trout)
LC50 - Fish [2]	972.34 mg/l (OECD 203 method)
EC50 - Crustacea [1]	> 120 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	94 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names:

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	Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	50 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
ErC50 algae	72h 94 mg/l Pseudokirchneriella subcapitata
LOEC (chronic)	> 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (acute)	57.67 mg/l (OECD 204 method)
NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 100 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'

#### **Tetrakis(methylethylketoximino)silane (34206-40-1)**

LC50 - Fish [1]	901.2 mg/l (OECD 203 method)
EC50 - Crustacea [1]	201 mg/l Test organisms (species): Daphnia magna

#### **Tetrakis(methylethylketoximino)silane (34206-40-1)**

EC50 - Other aquatic organisms [1]	214.88 mg/l Test organisms (species):
EC50 72h - Algae [1]	17.1 mg/l (OECD 201 method)
NOEC (acute)	14d 53.45 mg/l (OECD 204 method)
NOEC (chronic)	21d ≥ 106.9 mg/l (OECD 211 method)

#### **3-aminopropyltriethoxysilane (919-30-2)**

LC50 - Fish [1]	> 100 mg/l Brachydanio rerio (zebra-fish)
EC50 - Crustacea [1]	> 100 mg/l Daphnia magna (Big water flea)
EC50 72h - Algae [1]	> 100 mg/l Pseudokirchneriella subcapitata
NOEC chronic algae	72h 1.3 mg/l Desmodesmus subspicatus.

#### **Titanium dioxide (13463-67-7)**

LC50 - Fish [1]	155 mg/l Test organisms (species): other:Japanese Medaka
LC50 - Fish [2]	> 10000 mg/l
EC50 - Crustacea [1]	19.3 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	27.8 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	> 1000 mg/l
EC50 - Other aquatic organisms [2]	61 mg/l
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	> 100 mg/l pseudokirchneriella subcapitata

NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic algae	5600 mg/l

#### **silica (7631-86-9/112945-52-5)**

LC50 - Fish [1]	> 10000 mg/l Brachydanio rerio (zebra-fish)
EC50 - Crustacea [1]	> 1000 mg/l (OECD 202 method)
EC50 72h - Algae [1]	440 mg/l

#### **3-(2-aminoethylamino)propyltrimethoxysilane (1760-24-3)**

LC50 - Fish [1]	597 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	81 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	126 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	352 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
ErC50 algae	8.8 mg/l (OECD 201 method)
NOEC (chronic)	> 1 mg/l
NOEC chronic algae	3.1 mg/l (OECD 201 method)

#### **Hydrocarbons, C18-C24, n-alkanes, isoalkanes, cyclics, <2% aromatics**

LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 72h - Algae [1]	> 100 mg/l

### **Persistence and degradability**

#### **Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)**

Biodegradation	28d 0 % (OECD 301A method)

#### **Tetrakis(methylethylketoximino)silane (34206-40-1)**

Persistence and degradability	Not readily biodegradable.
Biodegradation	28d 20 % (OECD 301C method)

#### **3-aminopropyltriethoxysilane (919-30-2)**

Persistence and degradability	Not readily biodegradable. Hydrolysis in water.
Biodegradation	28d 67 % (OECD 301A method)

<b>Titanium dioxide (13463-67-7)</b>	
Persistence and degradability	Not readily biodegradable.
<b>3-(2-aminoethylamino)propyltrimethoxysilane (1760-24-3)</b>	
Biodegradation	39 % (OECD 301A method)

#### Bioaccumulative potential

<b>Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)</b>	
Partition coefficient n-octanol/water (Log Pow)	9.83

<b>Tetrakis(methylethylketoximino)silane (34206-40-1)</b>	
Partition coefficient n-octanol/water (Log Pow)	9.83

<b>3-aminopropyltriethoxysilane (919-30-2)</b>	
Bioconcentration factor (BCF REACH)	3.4 Cyprinus carpio (Common Carp)
Bioaccumulative potential	not bioaccumulative.

<b>Hydrocarbons, C18-C24, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	
Partition coefficient n-octanol/water (Log Pow)	> 7.2

#### Mobility in soil

<b>Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)</b>	
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Partition coefficient n-octanol/water (Log Koc)	5.481 EPA (Environmental Protection Agency)
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<b>Tetrakis(methylethylketoximino)silane (34206-40-1)</b>	
Partition coefficient n-octanol/water (Log Koc)	5.481

#### Results of PBT and vPvB assessment

<b>Component</b>	
silica (7631-86-9/112945-52-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Methyl tris-(methyl ethyl ketoximo) silane (22984-549)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### Section 13. Disposal Considerations

Disposal Method: Empty packaging completely prior to disposal. Place recovered product into an appropriate waste container for disposal through appropriate waste company or specialized landfill in accordance with local regulations.

Precautions: None known.

### Section 14 Transport Information

Product Name: Sabre Seal CR  
Date of SDS: 10 August 2021



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:

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:

This product is classified as NOT 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
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work. LC <sub>50</sub> Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	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 12<sup>th</sup> edition.
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

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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Issue Date: 10 August 2021 Review Date: 10 August 2026