

## SAFETY DATA SHEET

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

Product: **SabreGrip S32 - Canister**  
Product Use: Adhesive  
Restriction 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: 10 July 2024

### 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:

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

**NZ - EPA Approval Code:** Surface Coatings and Colourants (Carcinogenic) - HSR002679

#### Pictograms



**SIGNAL WORD: DANGER**

GHS Category	Hazard Code	Hazard Statement
Flammable gas Cat. 1A	H220	Extremely flammable gas.
Liquefied Gas	H280	Contains gas under pressure may explode if heated.
Acute oral toxicity Cat. 4	H302	Harmful if swallowed.
Skin irritation Cat. 2	H315	Causes skin irritation.
Eye irritation Cat. 2	H319	Causes serious eye irritation.

Carcinogenicity Cat. 2	H351	Suspected of causing cancer.
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**Prevention Code      Prevention Statement**

P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective clothing as detailed in SDS Section 8.

**Response Code      Response Statement**

P101	If medical advice is needed, have product container or label at hand.
P330	Rinse mouth.
P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P381	In case of leakage, eliminate all ignition sources.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of 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.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash before reuse.

**Storage Code      Storage Statement**

P403	Store in a well-ventilated place.
P405	Store locked up.
P410 + P403	Protect from sunlight. Store in a well-ventilated place.

**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.
LPG	20-39	68476-85-7
Methylene Chloride	35-50	75-09-2
Magnesium Oxide	<0.3	1309-48-4
p-tert-butylphenol	1 - 10	2224-33-1
N-(3- (Trimethoxysilyl)Propyl)Ethylenediamine	0.1 - 1	1760-24-3

**Section 4.      First Aid Measures**

Routes of Exposure:

If in Eyes      Open the eyelid(s) wide to allow the material to evaporate. Gently rinse the affected eye(s) with clean, cool water for at least 15 minutes. Have the patient lie or sit down and tilt the head back. Hold the eyelid(s) open and pour water slowly over the eyeball(s) at the inner corners, letting the water run out of the outer corners.

The patient may be in great pain and wish to keep the eyes closed. It is important that the material is rinsed from the eyes to prevent further damage. Ensure that the patient looks up, and side to side as the eye is rinsed in order to better reach all parts of the eye(s). Transport to hospital or doctor. Even when no pain persists and vision is good, a doctor should examine the eye as delayed damage may occur. If the patient cannot tolerate light, protect the eyes with a clean, loosely tied bandage. Ensure verbal communication and physical contact with the patient.

**DO NOT** allow the patient to rub the eyes

**DO NOT** allow the patient to tightly shut the eyes

**DO NOT** introduce oil or ointment into the eye(s) without medical advice

**DO NOT** use hot or tepid water.

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If on Skin

In case of cold burns (frost-bite):

Move casualty into warmth before thawing the affected part; if feet are affected carry if possible. Bathe the affected area immediately in luke-warm water (not more than 35 deg C) for 10 to 15 minutes, immersing if possible and without rubbing.

**DO NOT** apply hot water or radiant heat.

Apply a clean, dry, light dressing of "fluffed-up" dry gauze bandage

If a limb is involved, raise and support this to reduce swelling

If an adult is involved and where intense pain occurs provide pain killers such as paracetamol. Transport to hospital, or doctor

If Swallowed

Not considered a normal route of exposure. Avoid giving milk, oils and giving alcohol. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician 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:

Inhalation	Not applicable.
Ingestion	Harmful if swallowed.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Chronic	Suspected of causing cancer.

Notes to Doctor: Treat symptomatically.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Highly Flammable. Will be easily ignited by heat, sparks or flames. Will form explosive mixtures with air.
<b>Hazards from products</b>	Fire exposed containers may vent contents through pressure relief valves thereby increasing fire intensity and/ or vapour concentration. Vapours may travel to source of ignition and flash back. Containers may explode when heated - Ruptured cylinders may rocket Fire may produce irritating, poisonous or corrosive gases.

	<p>Runoff may create fire or explosion hazard.  May decompose explosively when heated or involved in fire.  High concentration of gas may cause asphyxiation without warning.  Contact with gas may cause burns, severe injury and/ or frostbite.  Combustion products include:  carbon monoxide (CO)  carbon dioxide (CO<sub>2</sub>)  hydrogen chloride  phosgene  metal oxides  other pyrolysis products typical of burning organic material.  <b>Contains low boiling substance:</b> Closed containers may rupture due to pressure buildup under fire conditions.  Vented gas is more dense than air and may collect in pits, basements.</p>
<b>Suitable Extinguishing media</b>	Use Water fog, dry powder, or chemical foam to extinguish
<b>Precautions for firefighters and special protective clothing</b>	<p>May be violently or explosively reactive.  Wear breathing apparatus plus protective gloves. Consider evacuation  Fight fire from a safe distance, with adequate cover.  If safe, switch off electrical equipment until vapour fire hazard removed.  Use water delivered as a fine spray to control fire and cool adjacent area.  <b>DO NOT</b> approach cylinders suspected to be hot.  Cool fire-exposed cylinders with water spray from a protected location.  If safe to do so, remove containers from path of fire.  To stop the flow of gas, specifically trained personnel may inert the atmosphere to reduce oxygen levels thus allowing the capping of leaking container(s).  Reduce the rate of flow and inject an inert gas, if possible, before completely stopping the flow to prevent flashback.  <b>DO NOT extinguish the fire until the supply is shut off</b> otherwise an explosive re-ignition may occur.  If the fire is extinguished and the flow of gas continues, used increased ventilation to prevent build-up, of explosive atmosphere.  Use non-sparking tools to close container valves.  Be CAUTIOUS of a Boiling Liquid Evaporating Vapour Explosion, <i>BLEVE</i>, if fire is impinging on surrounding containers. Direct 2500 litre/min (500 gpm) water stream onto containers above liquid level with the assistance remote monitors.</p>
<b>HAZCHEM CODE</b>	<b>2WE</b>

## Section 6. Accidental Release Measures

Wear protective clothing as described in Section 8. Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing vapour and any contact with liquid or gas. Do not enter confined spaces where gas may be accumulated. Shut off all sources of ignition and increase ventilation. No smoking or naked lights within area.

Prevent by any means available, spillage from entering drains and water-courses.

Stop leak if safe to do so. Remove leaking cylinders to a safe place, release pressure under safe controlled conditions by opening valve. Orientate cylinder so that the leak is gas, not liquid, to minimize rate of leakage. Keep area clear of personnel until gas has dispersed. Dispose of as per Section 13.

## Section 7. Handling and Storage

### Handling:

- Read carefully and follow all instructions.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Containers, even those that have been emptied, may contain explosive vapours.
- Do NOT cut, drill, grind, weld or perform similar operations on or near containers.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear protective clothing as detailed in SDS Section 8.

### Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Store in a well-ventilated place.
- Store locked up.
- Protect from sunlight. Store in a well-ventilated place.

## 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>
LPG (Liquefied petroleum gas) [68476-85-7]	1000	1800	-	-
Methylene chloride (Dichloromethane) [75-09-2]	50	174	-	-
Magnesium oxide fume [1309-48-4]	-	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 2023 14<sup>TH</sup> EDITION.

### Engineering Controls

Ensure good ventilation of the work station.

### Personal Protection Equipment



<b>Eyes</b>	Tight-fitting safety goggles. Avoid wearing contact lenses.
<b>Hands</b>	Wear cloth or leather gloves. Insulated gloves should be loose fitting so that they may be removed quickly if liquid is spilled upon them. Insulated gloves are not made to permit hands to be placed in the liquid; they provide only short-term protection from accidental contact with the liquid.
<b>Skin</b>	Wear protective clothing and safety shoes.
<b>Respiratory</b>	Type AX Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Liquified Gas Canister
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	-40°C
<b>Melting Point</b>	-97°C
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	-104°C
<b>Flammability</b>	Highly Flammable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	46.86 kPa
<b>Vapour Density</b>	2.93 (air=1)
<b>Relative Density</b>	0.838 (water=1)
<b>Solubility in water</b>	Partly miscible
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>VOC content</b>	415.19 g/L

**Section 10. Stability and Reactivity**

<b>Stability of Substance</b>	Stable at normal conditions.
<b>Conditions to Avoid</b>	Refer to Section 7.
<b>Incompatible Materials</b>	Refer to Section 7.
<b>Hazardous Decomposition Products</b>	Refer to Section 5.

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

<b>Swallowed</b>	Harmful if swallowed.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not triggered, however inhalation of the material, especially for prolonged periods, may produce respiratory discomfort and occasionally, distress. Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by sleepiness, reduced alertness, loss of reflexes, lack of co-ordination, and vertigo.
<b>Eye</b>	Causes serious irritation to eyes. There is some evidence that material may produce eye irritation in some persons and produce eye damage 24 hours or more after instillation. Moderate inflammation may be expected with redness; conjunctivitis may occur with prolonged exposure.
<b>Skin</b>	Causes skin irritation.

**Chronic Effects:**

<b>Carcinogenicity</b>	Suspected of causing cancer.
<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.

### **Individual component information:**

#### **Acute Toxicity:**

<b>Chemical Name</b>	<b>Oral – LD50</b>	<b>Dermal – LD50</b>	<b>Inhalation – LC50</b>
LPG	-	-	658 mg/l/4hr (rat)
Methylene Chloride	1600 mg/kg (rat)	-	76 mg/l/4hr (rat)
p-tert-butylphenol	>2000 mg/kg (rat)	2288 mg/kg (rabbit)	-

### **Section 12. Ecotoxicological Information**

<b>Persistence and degradability</b>	No data available on product
<b>Bioaccumulative</b>	No data available on product
<b>Mobility in soil</b>	No data available on product
<b>Other adverse effects</b>	No data available on product

	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
TensorGrip L32 Canister Spray Adhesive	Not Available	Not Available	Not Available	Not Available	Not Available
methylene chloride	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	BCF	1008h	Fish	2-5.4	7
	EC50(ECx)	96h	Algae or other aquatic plants	0.98mg/l	4
	EC50	72h	Algae or other aquatic plants	202-286mg/l	4
	EC50	48h	Crustacea	150-218mg/l	4
	LC50	96h	Fish	2-3.3mg/l	4
	EC50	96h	Algae or other aquatic plants	0.98mg/l	4
water	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	Not Available	Not Available	Not Available	Not Available	Not Available
magnesium oxide	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	Not Available	Not Available	Not Available	Not Available	Not Available
p-tert-butylphenol	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	EC10(ECx)	72h	Algae or other aquatic plants	0.23mg/l	2
	EC50	72h	Algae or other aquatic plants	~2.4mg/l	2
	EC50	48h	Crustacea	3.4-4.5mg/l	4
	LC50	96h	Fish	>1mg/l	2
LPG (liquefied petroleum gas)	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	EC50(ECx)	96h	Algae or other aquatic plants	7.71mg/l	2
	LC50	96h	Fish	24.11mg/l	2
	EC50	96h	Algae or other aquatic plants	7.71mg/l	2

**Legend:** Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances – Ecotoxicological Information –

### Section 13. Disposal Considerations

#### Disposal Method:

Ensure containers are empty before discarding. Recycle where possible. Dispose as per Local Regulations.

**Precautions and methods to avoid:** None known.

### Section 14 Transport Information

**This product is classified as a Dangerous Good for transport in Australia; ADG 7**

**This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021**



#### Road, Rail, Sea and Air Transport

<b>UN No</b>	3504
<b>Class - Primary</b>	2.1
<b>Subsidiary Risk</b>	6.1
<b>Packing Group</b>	Not applicable
<b>Proper Shipping Name</b>	<b>CHEMICAL UNDER PRESSURE, FLAMMABLE, TOXIC, N.O.S.</b>
<b>Marine Pollutant</b>	No
<b>Special Provisions</b>	274, 362

### 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:

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Surface Coatings and Colourants (Carcinogenic) - HSR002679

#### Controls in New Zealand:

Trigger quantities for this substance:

<b>HSW (HS) Regulations 2017 and EPA Notices</b>	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	100kg
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250kg
Emergency Response Plan	300kg



Secondary Containment	300kg
Restriction of Use	Only use for the intended purpose.

## Section 16 Other Information

### Glossary

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 APRIL 2022 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

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.

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