SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	**SabreGrip S30 500ml Aerosol Spray Adhesive**
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:	15 October 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: Aerosols (Flammable, Carcinogenic) - HSR002520

Pictograms

SIGNAL WORD: DANGER

GHS Category	Hazard Code	Hazard Statement
Aerosol Cat. 1	H220	Extremely flammable gas.
	H229	Pressurised container: May burst 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.

Specific target organ toxicity – repeated exposure Cat. 2	H373	May cause damage to organs through prolonged or repeated exposure.

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.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe dust, fumes, gas, mist, vapours or spray.
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.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
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
P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Disposal Code	Disposal Statement
P501	Dispose of according to the local authorities

Section 3. Composition of hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
LPG	30-40	68476-85-7
Methylene Chloride	40-50	75-09-2

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/attention.

If on Skin — Take off contaminated clothing and wash before reuse. Rinse skin with water and soap. If skin irritation occurs: Get medical advice/ attention.

If Swallowed	Rinse mouth. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Seek medical advice if needed.
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. May cause damage to organs through prolonged or repeated exposure.

Notes to Doctor: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Highly Flammable Aerosol.
Hazards from products	Decomposition may produce toxic fumes of: carbon monoxide (CO) carbon dioxide (CO2) Hydrogen chloride Phosgene
Suitable Extinguishing media	Use Water spray, fog , dry chemical or carbon dioxide.
Precautions for firefighters and special protective clothing	Wear breathing apparatus plus protective gloves in the event of a fire. Excessive pressures may develop in a gas cylinder exposed in a fire; this may result in explosion. Cylinders with pressure relief devices may release their contents as a result of fire and the released gas may constitute a further source of hazard for the fire fighter.
HAZCHEM CODE	**2YE**

Section 6. Accidental Release Measures

Wear protective clothing as described in Section 8. Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing vapours or gas. 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 value. Contain or absorb spill with sand, earth or vermiculite. Collect into containers for disposal. 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.
- Do not spray on an open flame or other ignition source.
- Do not pierce or burn, even after use.
- Do not breathe dust, fumes, gas, mist, vapours or spray.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear protective clothing as detailed in SDS Section 8.
- When handling, DO NOT eat, drink or smoke.
- DO NOT incinerate or puncture aerosol cans.
- DO NOT spray directly on humans, exposed food or food utensils.

Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Store locked up.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
- Check that containers are clearly labelled and free from leaks.

Section 8 Exposure Controls / Personal Protection

Exposure Limit Values:
WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm	TWA mg/m³	STEL ppm	STEL mg/m³
LPG (Liquefied petroleum gas) [68476-85-7]	1000	1800	-	-
Methylene chloride (Dichloromethane) [75-09-2]	50	174	-	-

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
Ensure good ventilation of the work station.

Personal Protection Equipment

Eyes	Tight-fitting safety goggles. Avoid wearing contact lenses.
Skin	No special equipment needed when handling small quantities. Otherwise For potentially moderate exposures: Wear general protective gloves, eg. light weight rubber gloves. For potentially heavy exposures: Wear chemical protective gloves, eg. PVC. and safety footwear.
Respiratory	No special equipment needed when handling small quantities.

Section 9 Physical and Chemical Properties

Appearance	Liquified Gas
Odour	Not available

Odour Threshold	Not available
pH	Not available
Boiling Point	-40^{0}C
Melting Point	-97^{0}C
Freezing Point	Not available
Flash Point	-104^{0}C
Flammability	Highly Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	46.85 kPa
Vapour Density	2.93 (air=1)
Relative Density	0.842 (water=1)
Solubility in water	Immiscible
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Viscosity	Not available
VOC content	301.44 g/L

Section 10. Stability and Reactivity

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

Section 11 Toxicological Information

Acute Effects:

Swallowed	Harmful if swallowed.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes serious irritation to eyes.
Skin	Causes skin irritation.

Chronic Effects:

Carcinogenicity	Suspected of causing cancer.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	May cause damage to organs through prolonged or repeated exposure.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
LPG	-	-	658 mg/l/4hr (rat)

Methylene Chloride	1600 mg/kg (rat)	>2000 mg/kg (rat)	76 mg/l/4hr (rat)

Section 12. Ecotoxicological Information

Persistence and degradability	No data available on product
Bioaccumulative	No data available on product
Mobility in soil	No data available on product
Other adverse effects	No data available on product

Toxicity:

	Endpoint	Test Duration (hr)	Species	Value	Source
methylene chloride	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

	Endpoint	Test Duration (hr)	Species	Value	Source
LPG (liquefied petroleum gas)	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 – Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data*

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

UN No	1950
Class - Primary	2
Subsidiary Risk	6.1
Packing Group	Not applicable

Proper Shipping Name	**AEROSOLS**
Marine Pollutant	No
Special Provisions	63, 190, 277, 327, 344

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: Aerosols (Flammable, Carcinogenic) - HSR002520

Controls in New Zealand:
Trigger quantities for this substance:

HSW (HS) Regulations 2017 and EPA Notices	**Trigger Quantity**
Certified Handler	Not required
Location Certificate	3000L (AWC)
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	3000L (AWC)
Emergency Response Plan	1000L
Secondary Containment	1000L
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

EC_{50}	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
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

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.

Issue Date: 15 October 2024 Review Date: 15 October 2029