Sabre®
Good bonds last.

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product Description:	SabreGrip PG1400 Marine Trim Contact Adhesive
Product Use:	Sprayable Contact Adhesive
New Zealand Supplier:	Sabre Adhesives Ltd
Address:	40-42 Cambridge St Sth 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:	2 November 2020 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

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

NZ - EPA Approval Code: Surface Coatings and Colourants (Flammable) - HSR002662

Pictograms

Flammable Irritant Chronic

SIGNAL WORD: DANGER

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
3.1B	H225	Highly flammable liquid and vapour.	Flam. Liq. 2
6.1E (Resp)	H335	May cause respiratory irritation.	STOT SE 3
6.3A	H315	Causes skin irritation.	Skin Irrit. 2
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A
6.8B	H361	Suspected of damaging fertility or the unborn child	Repr. 2
6.9B (RE)	H373	May cause damage to organs through prolonged	STOT RE 2

		or repeated exposure	
6.9N	H336	May cause drowsiness or dizziness.	STOT SE 3
9.1D	H413	May cause long lasting harmful effects to aquatic life.	Aquatic Chronic 4

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe fumes and vapours.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective clothing.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P362	Take off contaminated clothing and wash before re-use.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P370 + P378	In case of fire: Use Carbon Dioxide, (CO_2), Dry Chemical, Foam for extinction.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

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

Section 3. Composition of hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Toluene	10-30	108-88-3
Acetone	10-30	67-64-1
Pentane, 2-methyl- (isohexane)	10-30	107-83-5

Naphtha (petroleum) hydrotreated light	30-60	64742-89-8
Non-hazardous ingredients	To 100	

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	Take off contaminated clothing and wash before re-use. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/ attention.
If Swallowed	Rinse mouth. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice 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.
Notes to physician	Treat symptomatically. Effects may be delayed. Delayed pulmonary oedema may result. Take care to avoid aspiration.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion:	Throat irritation, nausea, vomiting and gastrointestinal irritation.
Inhalation:	May cause coughing, shortness of breath and difficulties in breathing. Headaches. May cause respiratory system irritation. Overexposure may depress the central nervous system, causing dizziness and intoxication.
Skin:	Skin irritation. Redness, Dryness and/or cracking.
Eye:	Causes serious eye irritation. Redness, lacrimation.

Section 5. Fire Fighting Measures

Hazard Type	Highly Flammable Liquid
Hazards from products	May produce oxides of carbon and nitrogen as well as hydrogen chloride smoke and other toxic fumes.
Suitable Extinguishing media	Carbon Dioxide, (CO_2), Dry Chemical, Foam
Precautions for firefighters and special protective clothing	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing (overalls, gloves and boots) if there is a risk of exposure to vapour or products of combustion. May form flammable vapour mixtures with air. Flameproof equipment is necessary in areas where this product is being used. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all sources of ignition and eliminate potential sources (eg: open flames, pilot lights, furnaces, spark producing switches, electrical equipment) near the work area. NO Smoking. Take precautions against static electricity discharges. Earth and bond all process equipment, including tanks and drums. Containers can build up pressure and explode if exposed to fire. Containers should be cooled with water spray. If safe to do so, remove containers from path of fire.
HAZCHEM CODE	**3YE**

Section 6. Accidental Release Measures

Small Spills
Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rags or paper towels). Collect and seal in properly labelled containers or drums for disposal.

Large Spills
Extinguish or remove all sources of ignition and shut off source of leak if safe to do so. Clear area of all unnecessary personnel. Wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Slippery when wet. Work upwind to increase ventilation. Dam and contain spill with non-combustible absorbent inert material (vermiculite, dry sand or earth), using non-sparking tools and equipment. Do not flush or allow spillage to enter into drains sewers or watercourses - inform local authority if this occurs. Place into suitable sealed containers and follow state or local authority regulations for disposal of the waste.

Section 7. Handling and Storage

Handling:
- Keep out of reach of children.
- Read label before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe fumes and vapours.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.
- Wear protective clothing.
- Use personal protective equipment as required.

Storage:
- Store locked up.
- Store in a cool, dry, well ventilated place and out of direct sunlight.
- Isolate from incompatible materials detailed in Section 10.

Section 8 Exposure Controls / Personal Protection

Exposure Limit Values:

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

		TWA		STEL	
Substance		**ppm**	**mg/m³**	**ppm**	**mg/m³**
Toluene (skin)	[108-88-3]	50	188	-	-
Acetone (bio)	[67-64-1]	500	1,185	1,000	2,375

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

Use in well ventilated areas. Ensure ventilation is adequate to maintain air concentrations below the Exposure Standards. Use local exhaust system or wear appropriate vapour mask/respirator. Use only flame-proof equipment. Avoid build-up of vapour in hollows or sumps as vapour is heavier than air. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

Personal Protection Equipment

Eyes	Safety glasses with side shields. Avoid wearing contact lenses.
Hands and Skin	Wear overalls and chemical resistant gloves (Nitrile Rubber should be adequate for intermittent contact). Consult local glove supplier if required. Wash hands thoroughly with soap and water after use. Wash contaminated overalls before reuse.
Respiratory	Use with adequate ventilation. Wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716, particularly if inhalation risk exists.
Hygiene measures	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Section 9 Physical and Chemical Properties

Appearance	Uncoloured liquid
Odour	Solvent
Odour Threshold	Not available
pH	Not applicable
Boiling Point	56-135°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	-15^0C
Flammability	Flammable
Upper and Lower Explosive Limits	Not available.
Vapour Pressure (15^0C)	25kPa (acetone)
Vapour Density (air=1)	>1
Specific Gravity	0.8 approx
Solubility in water	Insoluble
Partition Coefficient:	Not available
Auto-ignition Temperature	$>200^0$C
Viscosity	380 – 440 cPs
Percent Volatile	Not available
Particle Characteristics	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	Avoid heat, sparks, flames and any other sources of ignition.

Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Oxides of carbon, nitrogen, smoke and other toxic fumes.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	May cause respiratory irritation.
Eye	Causes severe irritation to eyes.
Skin	Causes skin irritation.

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	May cause drowsiness or dizziness.
STOT/RE	Causes damage to organs through prolonged or repeated exposure.

Section 12. Ecotoxicological Information

New Zealand:
HSNO Classes : 9.1D = May cause long lasting harmful effects to aquatic life.

Persistence and degradability	Toluene is rapidly biodegradable (meets 10 day window criterion) and oxidises by photochemical oxidation in air
Bioaccumulation	Toluene does not bioaccumulate significantly. Acetone has negligible potential to bioaccumulate.
Mobility in Soil	Toluene floats on water and will be highly mobile in soil. It may contaminate ground water.
Other adverse effects	No data available

Do not allow to enter waterways.

Section 13. Disposal Considerations

Substance Disposal Do not dispose of down drains or into local waterways. Dispose of substance to a hazardous or special waste collection point or through a licensed contractor. Ensure waste container is labelled "Hazardous Waste – Flammable" and that the label also has the Flammable Pictogram, waste type identifier, and the business name, address, and phone number. Not suitable for incineration unless by an approved agent. Dried product is not hazardous and may be disposed of with general waste.

Container Disposal Empty containers of dried waste are not hazardous. Consider the possible fire hazard from un-dried residues. Dispose of bulk waste to a hazardous or special waste collection point.
Beware: Empty flammable liquid drums present an explosion hazard if cut by flame or welding torch. Ensure drums are

thoroughly cleaned and ventilated.

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: NZS 5433:2012

Road and Rail Transport

UN No:	1133
Class-primary	3
Packing Group	II
Proper Shipping Name:	ADHESIVES CONTAINING FLAMMABLE LIQUID

Air Transport

UN No:	1133
Class-primary	3
Packing Group	II
Proper Shipping Name:	ADHESIVES CONTAINING FLAMMABLE LIQUID

Marine Transport

UN No:	1133
Class-primary	3
Packing Group	II
Proper Shipping Name:	ADHESIVES CONTAINING FLAMMABLE LIQUID

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.

Classified as a Schedule 5 Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

New Zealand:

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662

HSNO Classification: 3.1B, 6.1E(resp), 6.3A, 6.4A, 6.8B, 6.9B, 6.9N, 9.1D

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	100L (>5L), 250L (<5L), 50L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L (3.1B)
Emergency Response Plan	1000L (3.1B)
Secondary Containment	1000L (3.1B)
Fire Extinguisher	250L – 2x required
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 Nov 2017 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

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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