Sabre®
Good bonds last.

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	Sabre Primer PX
Product Use:	Pretreatment agent, Primer
Restrictions of use:	Refer to Section 15
New Zealand Supplier:	Sabre Adhesives Ltd
Address:	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:	24 October 2019

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, Toxic [6.7]) - HSR002669

Pictograms

Flammable Toxic /Irritant Chronic

SIGNAL WORD: DANGER

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
3.1B	H225	Highly flammable liquid and vapour.	Flam. Liq. 2
6.1D (oral)	H302	Harmful if swallowed.	Acute Tox. 4
6.1E (inh)	H333	May be harmful if inhaled.	Acute Tox. 5
6.3B	H316	Causes mild skin irritation.	Skin Irrit. 3
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A

6.7B	H351	Suspected of causing cancer.	Carc. 2
6.8B	H361	Suspected of damaging fertility or the unborn child.	Repr. 2
6.9B (Single exposure)	H371	May cause damage to organs through oral or inhalation.	STOT SE 2
9.1D	H402	Harmful to aquatic life.	Aquatic Chronic 4
9.3C	H433	Harmful to terrestrial vertebrates.	-

Prevention Code	**Prevention Statement**
P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames or 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, vapours or spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.
P281	Use personal protective equipment as required.

Response Code	**Response Statement**
P101	If medical advice is needed, have product container or label at hand.
P330	Rinse mouth.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309 + P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use Alcohol resistant foam, CO2 or dry chemical for extinction.

Storage Code	**Storage Statement**
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

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

Section 3. Composition of hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Ethyl Acetate	≥50 - < 70	141-78-6

Xylene	≥1 - < 10	1330-20-7
Propan-2-Ol	≥1 - < 10	67-63-0
Ethylbenzene	≥1 - < 10	100-41-4
Methanol	≥0.1 - < 1	67-56-1
Dibutyltin Dilaurate	≥0.1 - < 1	77-58-7

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. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention.

If Swallowed: Immediately rinse mouth and drink plenty of water. Do not give milk or alcoholic beverages. Keep person under observation. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low. 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. Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion: Harmful if swallowed.

Inhalation: May be harmful if inhaled. Excessive lachrymation, Loss of balance Vertigo.

Skin: Causes mild skin irritation.

Eye: Causes severe eye irritation.

Chronic: Suspected of damaging fertility or the unborn child. Suspected of causing cancer. May cause damage to organs if swallowed. May cause damage to organs if inhaled.

Notes to doctor: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Highly Flammable liquid.
Hazards from products	No hazardous combustion products are known
Suitable Extinguishing media	Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical Do not use water.
Precautions for firefighters and special protective clothing	In the event of fire, wear self-contained breathing apparatus. Use water spray to cool unopened containers.
HAZCHEM CODE	**3YE**

Section 6. Accidental Release Measures

Wear full protective gear as detailed in Section 8. Evacuate unprotected and untrained personnel from hazard area. Remove all sources of ignition.

Do not let product enter drains. If the product contaminates rivers and lakes or drains inform respective authorities.

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, ver-miculite) and place in container for disposal according to local / national regulations (see section 13).

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.
- Keep away from heat, sparks, open flames or 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.
- Open drum carefully as content may be under pressure.
- Do not breathe fumes, vapours or spray.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.
- Use personal protective equipment as required.

Storage

- Keep out of reach of children.
- Store locked up.
- Store in a well-ventilated place. Keep cool.
- Isolate from incompatible materials as detailed in Section 10.
- Store in original container.
- Containers which are opened must be carefully resealed and
- Kept upright to prevent leakage.

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
Ethyl Acetate [141-78-6]	200	720	-	-
Xylene [1330-20-7]	50	217	-	-
Propan-2-ol [67-63-01]	400	963	500	1230
Ethyl Benzene [100-41-4]	100	434	125	543
Methanol [67-56-1]	200	262	250	328

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 2017 9TH EDITION.

Engineering Controls

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded. All handling to take place in well-ventilated area.

Personal Protection Equipment

Eyes	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
Hands and Skin	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Respiratory	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. The filter class for the respirator must be suitable for the max-imum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when han-dling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Colourless
Odour	Very faint
pH	Not applicable
Boiling Point	Not available
Melting Point	Not applicable
Freezing Point	Not applicable
Flash Point	-4 °C (cup closed)
Flammability	Not applicable
Upper and Lower Explosive Limits	1 – 7 vol %
Vapour Pressure	99.9915 hPa (75.000 mmHg)
Density	ca. 0.98 g/cm3 (20 °C)
Specific Gravity	0.95 – 1.10 @ 25°C
Solubilities	Not available
Partition Coefficient:	Not applicable
Ignition temperature	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Particle Characteristics	Not applicable
Viscosity, dynamic	ca. 10 mPa.s (20 °C)
Viscosity, kinematic	< 20.5 mm2/s (40 °C)

Section 10. Stability and Reactivity

Stability of Substance	Stable at normal ambient temperatures and when used as recommended.
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	No data available
Hazardous Decomposition Products	No decomposition if stored and applied as directed.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Harmful if swallowed.
Dermal	Not applicable.
Inhalation	May be harmful if inhaled.
Eye	Causes serious eye irritation.
Skin	Causes mild skin irritation.

Chronic Effects:

Carcinogenicity	Suspected of causing cancer.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	May cause damage to organs through oral or inhalation.

Ethyl acetate (141-78-6)	
LD50 oral rat	>5000 mg/kg
LC50 inhalation rat	ca. 1,600 mg/l/4h (vapour)
Dermal rabbit	>5000 mg/kg

Xylene (79-41-4)	
LD50 oral rat	3523 mg/kg
LD50 dermal rabbit	1700 mg/kg

propan-2-ol (67-63-0)	
LD50 oral rat	<5000 mg/kg
LC50 inhalation rat	>20mg/l/4hr
LD50 dermal rabbit	>5000 mg/kg

thylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	5510 mg/kg

Methanol (67-56-1)	
LC50 Inhalation	3 mg/l /4hr (vapour)

dibutyltin dilaurate (77-58-7)	
LD50 oral rat	2071 mg/kg

Section 12. Ecotoxicological Information

New Zealand:
HSNO Classes: 9.1D = Harmful to aquatic life.
9.3C = Harmful to terrestrial vertebrates.

Xylene (1330-20-7)	
Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 3.3 mg/l Exposure time: 96 h

dibutyltin dilaurate (77-58-7)	
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia (water flea)): 1 mg/l Exposure time: 48 h
Toxicity to algae	EC50 (Selenastrum capricornutum (green algae)): 1 - 10 mg/l Exposure time: 72 h

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:
Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of gaseous contaminants. Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media 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.

Precautions or methods to avoid: Avoid release to the environment.

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, Rail, Sea and Air Transport

UN No	1866
Class - Primary	3
Packing Group	II
Proper Shipping Name	RESIN SOLUTIONS, flammable
Marine Pollutant	No
Special Provisions	If the product's individual container is below 5L/kg, it can be

	transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

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 & 7 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, Toxic [6.7]) – HSR002669

HSNO Classification: 3.1B, 6.1D (inh), 6.1D (oral), 6.1E (inh), 6.3B, 6.6B, 6.4A, 6.7B, 6.8B, 6.9B, 9.1D, 9.3C

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, 8.2B)
Emergency Response Plan	1000L (3.1B)
Secondary Containment	1000L (3.1B)
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

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Please contact the Australian Manufacturer or New Zealand distributor, if further information is required.

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