

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: SabreFix PU Liquid Wood Adhesive 5MIN
 Product Use: Adhesive
 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: 18 June 2019

Section 2. Hazards Identification

Australia NOHSC – Is hazardous according to Safe Work Australia NOHSC 2011 National Code of Practice

NZ - This substance is hazardous according to The *HSNO (Minimum Degrees of Hazard) Regulations 2001*

NZ - EPA Approval Code: Surface Coatings and Colourants (Toxic [6.7]) - HSR002679

Pictograms



Toxic/ Irritant



Chronic



Ecotoxic

SIGNAL WORD: Warning

HSNO Class. Category	Hazard Code	Hazard Statement	GHS
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6.1D (inh)	H332	Harmful if inhaled.	Category 4
6.3A	H315	Causes skin irritation.	Category 2
6.4A	H319	Causes serious eye irritation.	Category 2A

6.5A	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	Category 1
6.5B	H317	May cause an allergic skin reaction.	Category 1
6.9A (Single exposure)	H370	Causes damage to organs.	Category 1
6.9B (Repeated exposure)	H373	May cause damage to organs through prolonged or repeated exposure.	Category 2
9.1C	H412	Hazardous to the aquatic environment chronic	Category 3
9.3A	H431	Hazardous to terrestrial vertebrates	Category 1

Prevention Code Prevention Statement

P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P285	In case of inadequate ventilation wear respiratory protection.

Response Code Response Statement

P101	If medical advice is needed, have product container or label at hand.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: If breathing is difficult, 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.
P314	Get medical advice/attention if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P362	Take off contaminated clothing and wash before re-use.
P391	Collect spillage.

Storage Code Storage Statement

P403+P235	Store in a well-ventilated place. Keep cool.
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Disposal Code Disposal Statement

P501	Do not contaminate storm water with product or product washing. Do not pour product down the drain. Unwanted product should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty containers should be left open in a well-ventilated area to dry out. When dry, recycle the container via recycling programmes. Disposal of empty paint containers via domestic recycling programmes may differ between local authorities.
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Section 3. Composition of hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
MDI/PPG Prepolymer Polymeric MDI	40-60	9016-87-9

4,4-diphenylmethane diisocyanate	10-20	101-68-8
MDI Mixed Isomers	<1	26447-40-5
4-Toluenesulphonyl isocyanate	< 0.5	4083-64-1

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	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	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use.
If Swallowed	Immediately rinse mouth with water. Do not induce vomiting. Seek medical assistance.
If Inhaled	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Notes to physician:	The manifestations of respiratory symptoms including pulmonary edema, resulting from acute exposure may be delayed. Supportive care. Treatment based on judgment by the doctor in response to reactions of the patient.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from products	Will support combustion. Toxic fumes are released in fire situations.
Suitable Extinguishing media	Dry chemical powder, Carbon dioxide, chemical foam; in case of larger fires, water spray should be used.
Precautions for firefighters and special protective clothing	On burning may emit toxic fumes including those of carbon monoxide, nitrogen oxide, isocyanate vapours and hydrogen cyanide. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
HAZCHEM CODE	Not applicable

Section 6. Accidental Release Measures

Emergency procedures:	If contamination of sewers or waterways has occurred advise local emergency services.
Methods for containment & clean up:	Evacuate spill area. Contain spill. Wear protective clothing and breathing apparatus during clean up. Absorb spill with sand or earth and shovel into open top containers, do not make pressure tight. Treat with neutralizing solution (90% water, 2-7% detergent, 3-8% concentrated ammonium hydroxide). About 10 parts neutralizing solution per part of isocyanate with mixing. Collect spillage.

Section 7. Handling and Storage

Handling advice:	This product should not be heated or sprayed. Avoid skin and eye contact.
Storage advice:	Store in a cool place and out of direct sunlight. Store away from alcohols, amines, moisture and sources of heat or ignition. Keep dry, reacts with water. Keep containers closed at all times, check regularly for leaks.

Section 8 Exposure Controls / Personal Protection

Occupational Exposure Limits:	No value assigned for this specific material by Worksafe NZ. However, NZ Workplace Exposure Standard(s) for constituent(s): Isocyanates, all (as-NCO): TWA 0.02 mg/m ³ ; STEL 0.07 mg/m ³ , sen, NZ, These values apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust. Sen – A substance that can 'sensitize' the respiratory system, inducing a state of hypersensitivity to it, so that on subsequent exposures, an allergic reaction can occur (which would not develop in non-sensitized individuals). It is uncommon to become sensitized to a compound after just a single reaction to it.
Engineering Control Measures:	Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Use in well ventilated area. Keep containers closed when not in use.
Personal Protective Equipment:	Avoid skin and eye contact and inhalation of vapour or spray. Wear overalls, safety boots, full-face visor and general purpose gloves (PVC). Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Section 9 Physical and Chemical Properties

Appearance	Brown viscous liquid
Odour	Characteristic
Odour Threshold	Not available
pH	Not available
Boiling Point	180 °C
Melting Point	Not available
Freezing Point	Not available
Flash Point	≥100 °C
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Relative Density	1.1
Density	1.14 g/cm ³
Solubility in water	Insoluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Oxidising	Not available
Viscosity	Not available
Evaporation Rate	Not available

Section 10. Stability and Reactivity

Stability of Substance	Stable at ambient temperature and under normal conditions of use.
Conditions to Avoid	Avoid contact with foodstuffs.
Incompatible Materials	Reacts with alcohols, acids, oxidizing agents and moisture.

Section 11 Toxicological Information

Acute Effects:

Swallowed	May cause vomiting, nausea and abdominal pain.
Dermal	Not applicable.
Inhalation	Vapours may cause irritation of the mucous membranes in the throat and lungs. May cause respiratory sensitization in susceptible individuals. MDI concentrations below the exposure standard may cause allergic respiratory reactions in individuals already sensitized. Symptoms may include coughing, difficult breathing and a feeling of tightness in the chest. Effects may be delayed.
Eye	May cause slight eye irritation.
Skin	Prolonged or repeated exposure may cause skin irritation. May result in allergic skin reactions or respiratory sensitization
Long term Effects:	There are reports that chronic exposure to isocyanates by inhalation, may result in a permanent decrease in lung function.
Toxicological Data:	No LD50 data available for the product. The toxicity of the product may be attributed to the solvents it contains. However, for constituent Polymeric MDI: Inhalation LC50 (rat) 490 mg/m ³ 4,4-diphenylmethane diisocyanate: Oral LD50 (mouse) 2200 mg/kg MDI Mixed Isomers: Inhalation LC50 (rat) 490 mg/m ³

Section 12. Ecotoxicological Information

Avoid contaminating waterways, drains, sewers or ground. Ecological Data for 4,4'-Diphenylmethane Diisocyanate (MDI) Acute and Prolonged Toxicity to Fish LC50: > 500 mg/l (Zebra fish (Brachydanio rerio), 24 h).

Section 13. Disposal Considerations

Refer to Waste Management Authority. Advise flammable nature. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent.

Empty container: Do not contaminate storm water with product or product washing. Do not pour product down the drain. Unwanted product should be brushed out on newspaper, allowed to cure and then disposed of via domestic waste collection. Empty containers should be left open in a well-ventilated area to cure. When cured, recycle the container via recycling programmes. Disposal of empty containers via domestic recycling programs may differ between local authorities. Check with your local council first.

Section 14 Transport Information

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:

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 (Toxic [6.7]) – HSR002679

HSNO Classification: 6.1D(inh), 6.3A, 6.4A, 6.5A/B, 6.9A, 6.9B, 9.1C, 9.3A

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	Not applicable
Emergency Response Plan	10 000 L (6.7B)
Secondary Containment	10 000 L (6.7B)
Restriction of Use	Only use for the intended purpose.

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
or ingesting it.	inhaling
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 Sabre Adhesives and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to Sabre Adhesives 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 Sabre Adhesives 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, Sabre Adhesives 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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