

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	Sabrefix PU Plus Construction Adhesive
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

Not classified as Dangerous Goods by NZS 5433 Transport of Dangerous Goods on Land. Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2017

NZ - EPA Approval Code: Surface Coatings and Colourants - HSR002670

Pictograms



Toxic/ Irritant



Chronic

SIGNAL WORD: Warning

DANGER: Toxic to human target organs or systems.

Warning: Reacts slowly with water to produce carbon dioxide but reaction accelerates at higher temperatures.

Toxic gases/fumes may be given off during burning or thermal composition. Closed container may forcibly rupture under extreme heat or when contents have been contaminated with water. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

HSNO Class. Category	Hazard Code	Hazard Statement	GHS
6.1E (Oral)	H333	Causes respiratory tract irritation	Category 1
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

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P260	Do not breathe fumes/mist/vapours/dust/spray.
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.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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+P341	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.
P307+P311:	IF exposed: Call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P363	Wash contaminated clothing before reuse.

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

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.

Section 3. Composition of hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Methylenediphenylene isocyanate prepolymer	30-60	39420-98-9
4'-Methylenebis(phenyl isocyanate)	10-30	101-68-8
Diphenylmethane diisocyanate homopolymer	5-15	25686-28-6
Diphenylmethane Diisocyanate mixed polymers	<1%	26447-40-5

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

Hazards from combustion:	Non Flammable.
Hazards from products	Will support combustion. On burning may emit toxic fumes including those of carbon oxides, nitrogen oxides, isocyanate vapours and hydrogen cyanide.
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	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Water fog (or if unavailable fine water spray), foam, dry agent (carbondioxide, dry chemical powder).
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:	For small spills: Quickly wipe up material before it cures, with cloth or absorbant paper avoiding skin contact. Uncured material will dissolve in acetone or acetone based nail polish remover. Cured material can only be removed by abrasion. For large spills: Wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Scrape up material before it cures. Collect and seal in properly labeled containers for disposal. Wash area down with excess water. Cured material can only be removed by abrasion.

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 acids, alcohols, oxidizing agents, moisture and sources of heat or ignition. Keep dry, reacts with water; may lead to drum rupture. 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. As published by the New Zealand Occupational Safety and Health Service (OSH) Sen – A substance that can 'sensitise' 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-sensitised individuals). It is uncommon to become sensitised 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	Opaque white paste
Odour	Characteristic
Odour Threshold	Not available
pH	Not available
Boiling Point Range	242 °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	1.13 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 under normal conditions
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	Repeated inhalation of vapour or spray mists at levels above the occupational exposure. Standard could cause respiratory sensitization. Symptoms may include irritation of the eyes, nose, throat and lungs, possibly with dryness of the throat, tightness of the chest and difficulty breathing. Onset of respiratory symptoms may be delayed for several hours after exposure. A hyper-reactive response may develop to even minimal concentrations of MDI in sensitized individuals.
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. However, for constituent: 4'-Methylenebis (phenyl isocyanate): Inhalation LC50 (rat) 369 mg/cu m/4 hr, Oral LD50 (mouse) 2200 mg/kg Diphenylmethane diisocyanate mixed polymers: Inhalation LC50 (rat) 0.49 mg/l

Section 12. Ecotoxicological Information

Avoid contaminating waterways. Material is practically non-toxic to aquatic organisms on an acute basis (LC50 greater than 100mg/l in most sensitive species)

Section 13. Disposal Considerations

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent. Empty foil or buckets should be exposed to air and left to cure. When cured, dispose of in rubbish as inert waste.

Section 14 Transport Information

Not classified as Dangerous Goods by NZS 5433 Transport of Dangerous Goods on Land.

Marine Transport Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

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:

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2017. ERMA Approval:HSR002670

Group Standard:Surface Coatings and Colourants (Subsidiary Hazard) Group Standard

Subclass 6.1 Category E – Substances which are acutely toxic.

Subclass 6.3 Category B - Substances that are mildly irritating to the skin.

Subclass 6.4 Category A - Substances that are irritating to the eye.

Subclass 6.5 Category A - Substances that are respiratory sensitisers.

Subclass 6.5 Category B - Substances that are contact sensitisers

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

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:

18 June 2019

Review Date:

18 June 2024