

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: SabreFix PU Adhesive Gel
Product Code: 1400108
Product Use: 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 (Toxic [6.7]) - HSR002679

Pictograms



Irritant



Chronic

SIGNAL WORD: DANGER

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
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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
6.5A	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	Resp. Sens. 1

6.5B	H317	May cause an allergic skin reaction.	Skin Sens. 1
6.7B	H351	Suspected of causing cancer.	Carc. 2
6.9B	H373	May cause damage to organs through prolonged or repeated exposure.	STOT RE 2

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.
P260	Do not breathe fumes or vapours.
P264	Wash hands thoroughly after handling.
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 and equipment clothing.
P281	Use personal protective equipment as required.
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.
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.
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.
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.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.

Storage Code Storage Statement

P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

Disposal Code Disposal Statement

P501	Dispose of according to the local authorities
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Section 3. Composition of hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Diphenylmethane-4,4'-Di-Isocyanate	30-60	101-68-8
2,2'dimorpholinyl-diethyl Ether	<1	6425-39-4

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	Remove contaminated clothing immediately and wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention.
If Swallowed	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a doctor 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.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion: May cause discomfort if swallowed.

Inhalation: Irritation of nose, throat and airway. Coughing, chest tightness, feeling of chest pressure.

Skin: Prolonged skin contact may cause redness and irritation

Eye: Severe irritation, burning and tearing.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.
Suitable Extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.
Precautions for firefighters and special protective clothing	Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material.
HAZCHEM CODE	2R

Section 6. Accidental Release Measures

Wear full protective gear as detailed in Section 8. Evacuate unprotected and untrained personnel from hazard area. Absorb spillage with non-combustible, absorbent material. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Dispose of according to Local Regulations.

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.
- Do not breathe fumes or vapours.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective and equipment clothing.
- In case of inadequate ventilation wear respiratory protection.
- Spraying is permitted only in closed systems, spray cabinets or spray boxes with adequate ventilation.

Storage

- Store locked up.
- Store in closed original container at temperatures between 5°C and 25°C.
- Isolate from incompatible materials detailed in Section 10.

Section 8 Exposure Controls / Personal Protection

Exposure Limit Values:

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Diphenylmethane-4,4'-di-isocyanate	-	0.02	-	0.07

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 2019 11TH EDITION.

Engineering Controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Personal Protection Equipment



Eyes	Safety glasses with side shields. Avoid wearing contact lenses.
Hands and Skin	Wear nitrile rubber protective gloves. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Respiratory	If ventilation is inadequate, suitable respiratory protection must be worn. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: ABEK2-P3
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	Various colours- Coloured Gel
Odour	Musty (mouldy)
Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	330°C @ mbar
Melting Point	<10°C
Freezing Point	Not applicable
Flash Point	>200°C CC (Closed cup).
Flammability	Not applicable
Upper and Lower Explosive Limits	Not applicable
Vapour Pressure	0.01 Pa @ °C

Vapour Density	8.5
Relative density	1.10 @ 20 °C
Solubility in water	Insoluble in water. Hardens in contact with water.
Partition Coefficient:	Not applicable
Auto-ignition Temperature	>600°C
Decomposition Temperature	Not applicable
Kinematic viscosity	> 20.5 mm ² /s.
Particle Characteristics	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions. The product will harden into a solid mass in contact with water and moisture.
Conditions to Avoid	Avoid contact with water.
Incompatible Materials	None known.
Hazardous Decomposition Products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled. The product contains small quantities of isocyanate. May cause respiratory allergy. May cause respiratory system irritation.
Eye	Causes severe irritation to eyes.
Skin	Causes skin irritation. May cause an allergic skin reaction.

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	Causes damage to organs through prolonged or repeated exposure.

Section 12. Ecotoxicological Information

This product is not known to be an environmental hazard.

Persistence and degradability	The product is not readily biodegradable.
Stability (hydrolysis)	Reacts with water.
Biological oxygen demand	< 10 g O ₂ /g substance
Bioaccumulation	The product does not contain any substances expected to be bioaccumulating.
Mobility in Soil	The product is non-volatile.
Other adverse effects	This product does not contain any substances classified as PBT or vPvB.

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 – Adhesive" and that the label also has the appropriate pictograms, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: None known.

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: 6.1E(resp), 6.3A, 6.4A, 6.5A/B, 6.7B, 6.9B

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.

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

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

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