

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: SabreFix PS
Product Use: Solvent based adhesive for polystyrene and other building materials.

New Zealand Supplier: Sabre Adhesives Ltd
Address: 42 Cambridge Street South
Levin, 5510, New Zealand
Telephone: +64 (06) 366 0007
Emergency No: **0800 764 766 (National Poison Centre)**

Australian Supplier: Sabre Adhesives Ltd
Address: Level 6, 10 Herb Elliot Ave, NSW, 2127
Telephone No: +61 2 9098 8244
Emergency No: **13 11 26 (National Poison Line)**

Date SDS Issued: 16 October 2025 v4

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

New Zealand:
This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

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

Pictograms



SIGNAL WORD: DANGER

GHS Classification and Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 2	H225	Highly flammable liquid and vapour.
Skin irritation Cat. 2	H315	Causes skin irritation.
Hazardous to the aquatic environment chronic Cat. 2	H411	Toxic to aquatic life with long lasting effects.

Prevention Code Prevention Statement

P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical, ventilating and lighting] equipment
P242	Use non-sparking tools.
P243	Take action to prevent static discharge.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in SDS Section 8.

Response Code Response Statement

P391	Collect spillage.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P362+P364	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire: Use foam, dry chemical, carbon dioxide for extinction.

Storage Code Storage Statement

P403 + P235	Store in a well-ventilated place. Keep cool.
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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.
Cyclohexane	5 - <10	110-82-7
Methylcyclohexane	1 - <5	108-87-2
n-Hexane	1 - <3	110-54-3
Nonhazardous	To balance	

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/Take off immediately all contaminated clothing. Rinse skin with water/shower and soap. If skin irritation occurs: Get medical advice/ attention.
If Swallowed	Rinse mouth. 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 be harmful if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Nausea, vomiting.
Inhalation:	None known.
Skin:	Causes skin irritation.
Eye:	May cause eye irritation. Lacrimation, redness.

Section 5. Fire Fighting Measures

Hazard Type	Flammable Liquid or Vapour
Hazards from products	Fumes from complete or incomplete combustion of this material may include carbon dioxide, carbon monoxide, water vapour, oxides of nitrogen or a wide variety of innocuous or toxic fumes. Solvent vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along ground to sources of ignition.
Suitable Extinguishing media	Foam, dry chemical, carbon dioxide. Do not use a water jet.
Precautions for firefighters and special protective clothing	Wear full protective equipment, including self-contained breathing apparatus.
HAZCHEM CODE	3YE

Section 6. Accidental Release Measures

Small Spills Extinguish all ignition sources. Avoid sparks, flames and heat. Avoid accidents and clean up immediately. Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (rag or paper towels). Collect and seal in properly labelled containers or drums for disposal or recycling.

Large Spills Extinguish all ignition sources. Avoid sparks, flames, heat and the build-up of static electricity. Consider evacuation of area and/or site. Alert emergency services if required. Slippery when spilt. Avoid accidents and clean up immediately. Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours by wearing appropriate respirator. Contain spill to prevent run off into drains and waterways. Use absorbent (rags, soil, sand, or other inert material). Collect using spark-free shovels (ie. plastic) and seal in properly labelled containers or drums for disposal or recycling. See Disposal section of this SDS for further details.

Section 7. Handling and Storage

Handling:

- Keep out of reach of children.
- Read label before use.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Flammable vapours released during adhesive application may form explosive mixtures with air.
- 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.

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- Wash hands thoroughly after handling.
- Avoid release to the environment.
- Wear protective clothing.

Storage:

- Store locked up.
- Store in a cool, dry, well-ventilated place and out of direct sunlight.
- Keep container closed when not in use.
- 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
Cyclohexane	[110-82-7]	100	350	300	1050
Methylcyclohexane	[108-87-2]	50	200	-	-
Hexane	[110-54-3]	20	72	-	-

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 Feb 2025 15TH EDITION.

Engineering Controls

Use in a well-ventilated area only. Vapour is heavier than air. Prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected. Keep containers in a well-ventilated area. Explosion proof general and local exhaust ventilation system is required for factory use.

Personal Protection Equipment



Eyes	Wear safety glasses with side shields (or goggles)
Hands and Skin	Wear solvent resistant gloves to avoid repeated and prolonged skin contact. Wear overalls or similar clothing and enclosed footwear.
Respiratory	Wear organic vapour respirator if working in a poorly ventilated area or during spraying.
Hygiene measures	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

Section 9 Physical and Chemical Properties

Appearance	Brown thick paste
Odour	Solvent
Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	~ 70°C
Melting Point	Not applicable
Freezing Point	Not applicable

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Flash Point	~ -15°C
Flammability	Flammable
Upper and Lower Explosive Limits	7.5% 1.1%
Vapour Pressure	Not applicable
Vapour Density	Not applicable
Specific Gravity	1.14 kg/l
Solubility in water	Very low
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Percent Volatile by weight	Approximately 30%
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. Protect from moisture.
Incompatible Materials	Strong oxidising agents, acids and bases.
Hazardous Decomposition Products	Thermal decomposition is highly dependant on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Causes skin irritation.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Component information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Cyclohexane 110-82-7	12705 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	13.9 mg/L (Rat) 4 h
Methylcyclohexane 108-87-2	> 3200 mg/kg (Rat)	>2920 mg/Kg bw (rat) 24 hour	>23 mg/l (vapour) (Rat - OECD 403)

Hexane 110-54-3	25 g/kg (Rat)	3000 mg/kg (Rabbit)	48000 ppm (Rat) 4 h
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Section 12. Ecotoxicological Information

Toxic to aquatic life with long lasting effects.

Persistence and degradability	The solvent in this product is readily biodegradable. The remainder of the product is expected to biodegrade slowly.
Bioaccumulation	No data available. The potential to bioaccumulate is expected to be low.
Mobility in Soil	Not miscible with water. Heavier than water.
Other adverse effects	No data available

Component information

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Cyclohexane 110-82-7	EC50 72 h > 9.3 mg/L (Pseudokirchnerella subcapitata)	LC50 96 h 23.03 - 42.07 mg/L (Pimephales promelas static) LC50 96 h 48.87 - 68.76 mg/L (Poecilia reticulata static) LC50 96 h 3.96 - 5.18 mg/L (Pimephales promelas flow-through) LC50 96 h 24.99 - 44.69 mg/L (Lepomis macrochirus static)	EC50 24 h > 400 mg/L (Daphnia magna)
Methylcyclohexane 108-87-2	10 mg/l (Pseudokirchneriella subcapitata - OECD 201)	2.07 mg/l (Oryzias latipes)	3 mg/l (Daphnia magna - OECD 202)
Hexane 110-54-3	-	LC50 96 h 2.1 - 2.98 mg/L (Pimephales promelas flow-through)	EC50 24 h > 1000 mg/L (Daphnia magna)

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. 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 5433:2020



UN No	1133
Class - Primary	3

Product Name: SabreFix PS v4
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Packing Group	III
Proper Shipping Name	ADHESIVES (CYCLOHEXANE)
Marine Pollutant	Yes
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 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 2020

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

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not applicable
Location Certificate	100L (>5L), 250L (<5L), 50L open
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	250L
Fire Extinguisher Trigger Quantities	250L – 2x required
Emergency Response Plan trigger Quantities	1000L
Secondary Containment	1000L
Restrictions of use	None

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.

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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 FEB 2025 15th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the distributor if further information is required.

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