

Safety Data Sheet



Hazardous Chemical, Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Probond Hi-Tack**

Recommended use: Construction Chemicals / Assembly Adhesive

Supplier: ADMIL ADHESIVES PTY LTD
ACN: 092 730 562
Street Address: 80-84 Peters Ave, Mulgrave
VIC 3170
Australia

Telephone: (613) 8544 6200
Email: support@silicone.com.au
Website: www.silicone.com.au

Emergency Telephone number: 13 11 26

2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of Safe Work Australia.

Pictograms: None

Signal Word: None

Hazard Statements

H412 Harmful to aquatic life with long lasting effects.

Prevention Precautionary Statements

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional Information

EUH208 Contains Dioctylindis(acetylacetonate), N-(3-(trimethoxysilyl)propyl)ethylenediamine, bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate. May produce an allergic reaction.

Other Hazards

Results of PBT and vPvB assessment

PBT Not applicable.

PvB Not applicable

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3. COMPOSITION INFORMATION

Description: Adhesive based on hybrid-polymer.

Ingredient	CAS Number	EC Number	Content
Reaction mass of Octadecanamide, 12-hydroxy-N-[2-[(1-oxodecyl)amino]ethyl]- and N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and Decanamide, N,N'-1,2-ethanediybis-Aquatic Chronic 3, H412	907-495-0	-	<5%
Trimethoxyvinylsilane ⚠ Flam. Liq. 3, ⚠ H226; Acute Tox. 4, H312; Acute Tox. 4, H332	2768-02-7	220-449-8	<3%
Diocetylbinbis(acetylacetonate) ⚠ Repr. 2, H361; STOT RE 2, ⚠ H373; Skin Sens. 1, H317; Aquatic Chronic 3, H412	54068-28-9	483-270-6	<1%
N-(3-(trimethoxysilyl)propyl)ethylenediamine ⚠ Eye Dam. 1, ⚠ H318; Skin Sens. 1B, H317	1760-24-3	217-164-6	<0.5%
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, ⚠ H410; Skin Sens. 1, H317	41556-26-7	255-437-1	<0.4%

Additional information: For the wording of the listed hazard phrases refer to section 16.

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

Eye contact: If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Immediately call Poisons Centre or Doctor.

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Notes to physician: Treat symptomatically. Extreme care must be taken to prevent aspiration.

5. FIRE FIGHTING MEASURES

Hazchem Code: Not Available

Suitable extinguishing media: If material is involved in a fire use alcohol resistant foam, dry agent (carbon dioxide, dry chemical powder) or water spray.

Hazards from combustion products: Formation of toxic gases is possible during heating or in case of fire.

Precautions for fire fighters and special protective equipment: Full protective clothing and self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS

If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

7. HANDLING AND STORAGE

Handling: Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Protect from frost, humidity & water. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

EXPOSURE CONTROLS

Personal Protection Equipment:

SAFETY SHOES, OVERALLS, GLOVES, APRON, SAFETY GLASSES, RESPIRATOR.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

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General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.
Wash hands before breaks and at the end of work.

Respiratory protection: Not required.

Wear safety shoes, overalls, gloves, apron, safety glasses, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from an impervious material should be suitable for intermittent contact.

However, due to variations in glove construction and local conditions, the user should make a final assessment. Refer to AS/NZS 2161. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Paste
Colour:	White
Odour:	Characteristic
Specific Gravity (20 °C):	1.50 gm/ml
Density:	1.50 ± 0.05 g/cm ³
Relative Vapour Density (air=1):	Not determined
Vapour Pressure (20 °C):	Not determined
Flash Point (°C):	Not applicable
Flammability Limits (%):	Not applicable
Autoignition Temperature (°C):	Not determined
Melting Point/Range (°C):	Not determined
Boiling Point/Range (°C):	Not determined
Self Igniting	Product is not self igniting
Danger of explosion	Product does not present an explosion hazard
pH:	N App
Viscosity:	Not determined
Other Properties:	No further relevant information available

(Typical values only - consult specification sheet)

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: No further relevant information available.

Incompatible materials: Avoid contact with other chemicals.

Hazardous decomposition products: No dangerous decomposition products known.

Hazardous reactions: No dangerous reactions known.

11. TOXICOLOGICAL INFORMATION

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No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Acute Toxicity Based on available data, the classification criteria are not met.

CAS: 2768-02-7 trimethoxyvinylsilane

Oral LD50: 7120 mg/kg (rat)

Dermal LD50: 3200 mg/kg (rabbit)

CAS: 54068-28-9 Dioctyltinbis(acetylacetonate)

Oral LD50: Oral (rat): 2500 mg/kg (rat)

Dermal LD50: >2000 mg/kg (rat)

Primary Irritant Effect:

Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:

Reaction mass of Octadecanamide, 12-hydroxy-N-[2-[(1-oxodecyl) amino]ethyl]- and N,N'-ethane-1,2-diybis(12hydroxyoctadecan-1-amide) and Decanamide, N,N'-1,2-ethanediybis-

EC50	43.2 mg/l (algae)
	94.6 mg/l (daphnia)
LC50	>100 mg/l (fish)

CAS: 54068-28-9 Dioctyltinbis(acetylacetonate)

EC50 (static)	300 mg/l (algae)
	58.6 mg/l (daphnia)

Persistence and degradability: No data

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

General Notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433:

UN No:	Not Applicable
Dangerous Goods Class	Not Applicable
Packing Group:	Not Applicable
Transport Hazard Class	Not Applicable
Special Precautions for Users	Not Applicable

Environmental Hazards

Marine Pollutant	No
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UN 'Model Regulation'	Not Applicable
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Proper Shipping Name:	Not Applicable
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15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU

Named dangerous substances - ANNEX I (EC) No 1907/2006 ANNEX XVII	None of the ingredients is listed. REGULATION Conditions of restriction: 3
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Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

Relevant Phrases

H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

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H410 Very toxic to aquatic life with long lasting effects. H412
Harmful to aquatic life with long lasting effects.

Additional information SILICONE SEALANTS: Toxic vapours released upon curing may result in eye and respiratory tract irritation. A hazard exists when high concentrations are generated in poorly ventilated areas. Once curing is complete, irritating or toxic vapours should no longer be evolved and therefore an inhalation hazard is no longer anticipated. In this cured state the sealant is considered inert and relatively non toxic.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	EC No - European Community Number
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Globally Harmonized System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m ³	Milligrams per Cubic Metre Occupational Exposure Limit relates to hydrogen ion
OEL pH	concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

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The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

Revision information

Product and Company identification

Composition/Information on Ingredients	: Additional Components
Physical & Chemical Properties	: Multiple Properties
Toxicological Information	: Toxicological Data
Ecological Information	: Eco Toxicity
Regulatory Information	: Regulatory Inventories
Haz Reg Data	: International Inventories
GHS	: Classification
Reason for issue	: GHS Update
References	: Supplier material safety data sheets
Version	: Version No. 1
Previous issue	: None

- End of Safety Data Sheet -