



MATERIALS SAFETY DATA SHEET

LIQUID BOND Construction Adhesive

Version 6
Issued: 16th September 2016

Section 1 - Identification of The Material and Supplier

Supplier	Admil Adhesives Pty Ltd
ABN	850 927 30562
Street Address	80-84 Peters Ave, Mulgrave VIC 3170 Australia
Telephone	+61 3 8544 6200
Facsimile	+61 3 9560 6487
Email	support@silicone.com.au
Website	www.silicone.com.au
Use of Substance / Preparation	Construction Adhesive
Trade Name	Liquid Bond Construction Adhesive
Creation Date	13 th September, 2016
This version issued	13 th September and is valid for 5 years from this date.
Poisons Information Centre	Phone 13 1126 from anywhere in Australia

Section 2 - Hazards Identification

This product is classified as: Hazardous Chemical according to GHS and Safe Work Australia
Classified as Dangerous Goods according to Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)

GHS Classification

Carcinogenicity	Asp Tox 1	H304 May be fatal if swallowed and enters airways
Skin Sensitisation	Skin Irrit. 2	H315 Causes skin irritation
	STOT SE3	H336 May cause drowsiness or dizziness

GHS Label Elements

Hazard Pictogram(s)



Signal Word

Danger

Hazard Statement

H225: Highly flammable liquid and vapour
H315: Causes skin irritation
H336: May cause drowsiness or dizziness
H304: May be fatal if swallowed and enters airways
H410: Very toxic to aquatic life with long lasting effects



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Section 4 - First Aid Measures

After Inhalation	If unconscious place in stable sideways position. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen Seek medical attention if breathing problems persist
After Skin Contact	Remove contaminated or soaked clothing. Immediately rinse affected areas thoroughly with soap and water. In serious cases, use emergency shower immediately. In the event of visible skin changes or other complaints, seek medical advice (show label or SDS where possible).
After Eye Contact	Rinse immediately with plenty of water for at least 15 minutes. Keep eyelids well open to rinse the whole eye surface and eyelids with water. Take special care if exposed person is wearing contact lenses. Seek medical attention if symptoms persist
After Ingestion	Do not induce vomiting. If vomiting occurs spontaneously keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek medical attention immediately
Symptoms caused by Exposure	Inhalation: May cause respiratory irritation. Vapours may cause drowsiness or dizziness, headache, nausea, shortness of breath and fatigue. Higher concentrations may cause central nervous system (CNS) depression, incoordination and impaired judgement. Skin Contact: Causes skin irritation, redness or rash. Eye Contact: May cause eye irritation, stinging, tearing, redness and swelling. Ingestion: May cause gastrointestinal irritation, abdominal pain, nausea, vomiting and diarrhoea. May cause CNS depression, dizziness, drowsiness, headache, confusion, muscular weakness and unconsciousness. May be fatal if swallowed and enters airways

Section 5 - Firefighting Measures

Suitable Extinguishing Media	In case of fire, use Dry Chemical, foam or Carbon Dioxide
Extinguishing Media that Must Not Be Used for Safety Reasons	Water Jet
Special Hazards Arising from the Substance or Mixture	Hazardous combustion products include oxides of carbon and organic compounds. Product is highly flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode. Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.
Advice for Firefighters	Use self-contained breathing apparatus and protective equipment.



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Section 6 - Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protection equipment such as approved respiratory protection, chemical resistant gloves, safety glasses, protective clothing and safety boots. Evacuate all non-essential personnel from affected area.
Do not inhale vapours.
Ensure adequate ventilation.
Extinguish all sources of ignition.
Avoid sparks and open flames.
No smoking

Environmental Precautions

Prevent material from entering surface waters, drains or sewers and soil.

Methods and Material for Containment

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.
Do not use combustible materials such as sawdust
Collect the spilled material and place in an appropriate container for disposal
Use only non-sparking tools

Section 7 - Handling and Storage

Precaution for Safe Handling

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours
Use only outdoors or in a well-ventilated area.
Take precautionary measures against static discharge.
Food, beverages and tobacco products should not be stored or consumed where this material is in use.
Always wash hands before smoking, eating, drinking or using the toilet.
Wash contaminated clothing and other protective equipment before storage or re-use.
Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Storage Rooms and Vessels

Store in a cool, dry and well ventilated area.
Do not use or store in confined spaces.
Keep in original container tightly closed when not in use.
Protect from heat, sparks, open flames, hot surfaces and direct sunlight.
Protect containers from physical damage.
Keep away from strong oxidising agents.
Do not pressurise, heat, weld, cut or drill on full or empty containers.
Handling equipment must be grounded to prevent sparking

Section 8 - Exposure Controls and Personal Protection

Control Parameters

142-82-5 Heptane

NES	STEL: 2050 mg/m ³ , 500 ppm TWA: 1640 mg/m ³ , 400 ppm
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Engineering Control

Maintain air concentration below occupational exposure standards, providing adequate ventilation.
Use explosion-proof ventilating equipment.



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Respiratory Protection	Use an approved organic vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.
Eye Protection	Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standards AS/NZS 1337 for more information
Hand Protection	Impervious gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Skin Protection	Occupation Protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Section 9 - Physical and Chemical Properties

Appearance / Form	Paste
Colour	Opaque Brown
Odour	Typical Hydrocarbon odour
Odour Threshold	No information available
Ph-Value	Not Applicable
Melting Point/Range	No information available
Boiling Point/Range	> 70 °C
Flash Point	<0°C (Closed Cup)
Flammability	Highly flammable
Lower explosion limit (LEL)	No information available
Upper explosion limit (UEL)	No information available
Vapour Pressure	No information available
Water Solubility/Miscibility	Insoluble
Relative Gas/Vapour Density	No information available
Relative Density	~1.1
Decomposition Temperature	No Information available
Ignition temperature	No information available
Evaporation Rate	No information available

Section 10 - Stability and Reactivity

Reactivity, Chemical Stability and Possibility of Hazardous Reactions	Hazardous polymerisation will not occur. Possible hazardous reaction with strong oxidising agents Stable at ambient temperature and under normal conditions of use
Conditions to Avoid	Heat, sparks, open flames, hot surfaces and direct sunlight
Incompatible Materials	Strong oxidising agents
Hazardous Decomposition Products	Oxides of carbon and organic compounds.



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Section 11 - Toxicological Information

Acute Oral Toxicity	LD ₅₀ : > 5000 mg/kg (rat)
Acute Dermal Toxicity	LD ₅₀ : > 3000 mg/kg (rab)
Skin Corrosion/Irritation	Cause skin irritation May cause redness or rash Exposure may aggravate existing dermatitis and skin sensitivity
Serious Eye Damage/ Eye Irritation	Based on classification principles, the classification criteria are not met May cause eye irritation, stinging tearing redness and swelling
Respiratory or Skin Sensitization	Causes skin irritation Prolonged skin contact may cause skin dryness, cracking and dermatitis Based on classification principles, the classification criteria are not met May cause respiratory irritation. Vapours may cause drowsiness or dizziness, headache, nausea, shortness of breath and fatigue. Higher concentrations may cause central nervous system (CNS) depression, incoordination and impaired judgement
Germ Cell Mutagenicity	Based on classification principles, the classification criteria are not met
Carcinogenicity	This product does NOT contain any IARC listed chemicals
Reproductive toxicity	Based on classification principles, the classification criteria is not met
Specific target organ toxicity (single exposure)	May cause drowsiness and dizziness
Specific target organ toxicity (repeated exposure)	Based on classification principles, the classification criteria are not met.
Ingestion	May cause gastrointestinal irritation, abdominal pain, nausea, vomiting and diarrhoea. May cause CNS depression, dizziness, drowsiness, headache, confusion, muscular weakness and unconsciousness.
Aspiration Hazard	May be fatal if swallowed and enters airways
Chronic Health Effects	Repeated and prolonged occupational overexposure may cause CNS depression leading to unconsciousness and death May cause damage to liver and kidneys.

Section 12 - Ecological Information

Eco toxicity	No information available
Aquatic toxicity	Very toxic to aquatic life with long lasting effects
Persistence and Degradability	No information available.
Bio accumulative Potential	No information available
Mobility in Soil	No information available
Other Adverse Effects	No information available

Section 13 - Disposal Considerations

Waste Treatment Methods

Material	Dispose in accordance with Federal, State, and local regulations. Please consult your state Land Waste Management Authority for more information
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Section 14 - Transport Information

UN Number ADG, IMDG, IATA	UN1133
Proper Shipping Name ADG, IMDG, IATA	Adhesives containing flammable liquid
Dangerous Goods Class ADG Class	3 Flammable liquids
Packing Group ADG, IDMG, IATA	II
Marine Pollutant	Yes Symbol (fish and tree)
EMS number	F-E,S-D
Hazchem Code	.3YE
Limited Quantities	5L
Packaging's & IBCs – Packing Instruction	P001, IBC02
Packaging's & IBCs – Special Packing Provisions	PP1
Portable Tanks & Bulk Containers – Instructions	T4
Portable Tanks & Bulk Containers – Special Provisions	TP1, TP8

Section 15 - Regulatory Information

Australian Inventory of Chemical Substances:

142-82-5	Heptane
64742-48-9	Naphtha (petroleum), hydrotreated heavy

Standard for the Uniform Scheduling of Medicines and Poisons; SUSMP
Poisons Schedule 5

Details of International Registration Status

Relevant information about components of this product are reported in the following inventories:

Australia	AICS (Australian Inventory of Chemical Substances): This product is listed in, or complies with, the substance inventory.
People's Republic of China	IECSC (Inventory of Existing Chemical Substances in China): This product is listed in, or complies with, the substance inventory.
European Economic Area (EEA)	REACH (Regulation (EC) No 1907/2006): General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.



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Section 16 - Other Information

Glossary of Terms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
IATA	International Air Transport Association (IATA)
CAS	Chemical Abstracts Service (division of the American Chemical Society)
IARC	International Agency for Research on Cancer
IMDG	International Maritime Code for Dangerous Goods
GHS	Globally Harmonised System, of Classification and Labelling of Chemicals
LC₅₀	Lethal concentration, 50 percent
LD₅₀	Lethal dose, 50 percent
STEL	Short term exposure limit
TWA	Time Weighted Average
NES	National Exposure Standard (Safe Work Australia – Workplace Exposure Standards for Airborne Contaminants)
Flam. Liq. 2	Flammable liquids. Hazard Category 2
Flam. Liq. 4	Flammable liquids. Hazard Category 4
Skin Irrit. 2.	Skin corrosion/irritation. Hazard Category 2
STOT SE 3	Specific target organ toxicity – single exposure, Hazard Category 3
Asp. Tox. 1.	Aspiration hazard. Hazard Category 1
Aquatic Acute 1	Hazardous to the aquatic environment, short term (Acute). Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, long term (Chronic) Category 1

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

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. 6
Previous issue	: Version No. 5

- End of Safety Data Sheet -