



MATERIAL SAFETY DATA SHEET FOR: AFTEK PANEL MASTIC COOLROOM SEALANT

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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

SUPPLIER Company: RLA Group Pty Ltd
Address: 215 Colchester Road, Kilsyth, VIC 3137 AUSTRALIA
Telephone: (03) 9728 1644
Emergency Telephone No: 13 11 26

PRODUCT **Product Name:** AFTEK PANEL MASTIC COOLROOM SEALANT
Other Names: Non-skinning mastic
Manufacturer's Code: None

USE Used in the construction of cool rooms where a non-skinning mastic for panel sealing is required. Place cartridge into a cartridge gun and extrude via nozzle directly onto the substrate.

2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION **NOHSC Classification:** Non-Hazardous Substance
ADG Classification: Non-Dangerous Goods
SUSDP Classification: Exempt

RISK PHRASES Not regulated

SAFETY PHRASES Not regulated

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>MIXTURE</u>	CHEMICAL ENTITY	CAS No	PROPORTION
	Mineral fillers	Not applicable	> 60%
	Polybutene	9003-29-6	10 - < 30%
	Naphtha (petroleum), hydrotreated heavy	64742-48-9	< 10 %
	Other ingredients determined not to be hazardous	Not applicable	< 10 %

4. FIRST AID MEASURES

FIRST AID

Swallowed: If swallowed do NOT induce vomiting. If casualty is alert and conscious give a glass of water or milk to drink. Seek medical advice.

Eyes: If in eye, irrigate immediately with plenty of water for 15 minutes with eyelids held open. Seek medical advice.

Skin: Remove contaminated clothing and footwear. Wash affected areas with soap and plenty of water immediately. Decontaminate footwear and wash contaminated clothing before reuse. Seek medical advice if adverse symptoms develop.

Inhaled: Move casualty to fresh air. If breathing but unconscious, place casualty in the recovery position. If breathing has stopped apply artificial respiration. If a pulse is absent give external cardiac compression. Seek medical advice immediately.



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First Aid Facilities: Have eyewashes, safety showers and normal wash room facilities available in the vicinity where exposure may occur.

ADVICE TO DOCTOR

No specific antidote - treat symptomatically. Inhalation of vapours causes CNS depression.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

This mixture is combustible. Use alcohol resistant foam, water spray or fog, dry chemical or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS

Carbon dioxide, carbon monoxide, flammable vapours/gases of unknown composition.

PRECAUTIONS FOR FIRE FIGHTERS

Keep containers cool with water spray. Wear full protective equipment for a chemical fire including a self-contained breathing apparatus. The vapour of this product is heavier than air and will travel considerable distances. An ignition source within its range may ignite the vapour and flash back along the vapour trail. Prevent fire fighting medium from entering drains or waterways.

HAZCHEM CODE

3W

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES

Wearing full PPE (see Section 8); isolate hazard area and restrict access. Increase ventilation. Remove all sources of ignition. Dyke spill to minimise environmental damage. Inform emergency services if substance has spilled into sewers, drains or waterways.

CLEAN UP PROCEDURE

Small Spills: Introduce good ventilation and remove ignition sources. Wear eye protection and suitable gloves and wipe up spills with rags/squeegee. Place the recovered material in a suitable waste disposal container. Seal the container and label it ensure proper disposal. Wash wipe-up medium and spill area with a suitable non-flammable, low toxicity organic solvent.

Large spills: Prevent run-off into drains or waterways. Wearing full protective equipment (see Section 8), contain spill with earth, sand or Vermiculite. Take precautionary measures against static discharge. Using flameproof and non-sparking equipment, to bail or pump any free paste into the original or similar containers and seal them. Using non-sparking implements place adsorbed material into suitable waste disposal containers and seal them. Label the containers to ensure proper disposal. Wash residue away with a suitable non-flammable, low toxicity organic solvent. Ensure that washings do not enter drains or waterways. If contamination of sewers or waterways has occurred, inform the local emergency services.



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7. HANDLING AND STORAGE

PRECAUTION FOR SAFE HANDLING

Practice sound industrial hygiene. Avoid breathing vapours. Wash hands before work breaks and at the end of a shift. Avoid skin contact. Minimise exposure by always wearing the personal protection equipment (See Section 8) when handling this mixture. Do not smoke in the work area. Work only in a well ventilated area. Take precautionary measures against static discharge.

STORAGE

Store in a cool (< 30°C), dry place away from heat and ignition sources and out of direct sunlight. Keep containers closed, securely sealed and protected against physical damage when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE STANDARDS

An Australian exposure standard for this mixture has not been set by the ASCC. However, an Australian exposure standard for the major hazardous components of this mixture have been set by the ASCC as shown below:

Exposure Standard [HSIS Aug11]	TWA	STEL
Naphtha (petroleum), hydrotreated heavy	1200 mg/m ³	No data
Crystalline silica (respirable dust)	0.1 mg/m ³	No data

BIOLOGICAL LIMIT VALUES

Not applicable

ENGINEERING CONTROLS

Good general dilution ventilation. Use local exhaust ventilation at the source of vapour emanation. Ensure that ventilation is sufficient to control exposure levels below exposure standards.

PERSONAL PROTECTION EQUIPMENT

Use personal protective equipment that minimizes skin and eye contact, and vapour inhalation. The type of protective equipment to be used depends largely on the volume and the manner in which the mixture is used. To ensure proper protection for any given situation, seek guidance from the following sources: protective clothing – AS 2919; gloves – AS 2161; eye protection – AS 1337; respiratory protection – AS 1715; feet protection – AS 2210. The suitability of each PPE for use with this substance should then be ascertained with the respective PPE suppliers.

Under condition of ordinary use and adequate ventilation, wear safety glasses, nitrile rubber gloves, long sleeved overalls, and impervious boots. In unusual situations such as a large spill or if working in enclosed areas, or if vapours are generated and their airborne concentration is unknown wear, in the addition to the above, a full-face AS/NZ 1716 compliant cartridge type respirator with a suitable organic vapour filter (for selection guidance see AS/NZ 1715). If the normal, ordinary work environment necessitates the use of respiratory protection, and a respirator is the sole means of respiratory protection, use a full-face air supplied respirator.

If the personal protective equipment is the only possible means of respiratory protection in the normal, ordinary working environment, or when working in confined spaces, use a full-face air supplied respirator.



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9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION & PROPERTIES

Appearance: Thick beige paste
Odour: Paraffinic
pH: Not applicable
Vapour Pressure: 0.23 kPa at 20°C (Naphtha (petroleum), hydrotreated heavy)
Vapour Density: 5.03 (Air = 1) (Naphtha (petroleum), hydrotreated heavy)
Boiling Point: 162-167°C (Naphtha (petroleum), hydrotreated heavy)
Freezing/Melting Point: Not established
Solubility in Water: < 0.10%
Specific Gravity: ca. 1.4
Explosive Limits (%v/v): LEL = ca. 0.7; UEL = ca. 5.6 (Naphtha (petroleum), hydrotreated heavy)
Ignition temperature: 365°C (Naphtha (petroleum), hydrotreated heavy)
Flash Point: 52.5°C
Fire Point: > 170°C

OTHER PROPERTIES

No relevant data

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY

This material is stable under normal ambient and anticipated storage and handling conditions.

CONDITIONS TO AVOID

Ignition sources, hot surfaces or strong heating.

INCOMPATIBLE MATERIALS

Strong oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide and other noxious vapours, gases and solids of unknown composition.

HAZARDOUS REACTIONS

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

This mixture has not been tested as a whole for its health effects. The toxicological information given below is based on the major components of this mixture.

ACUTE HEALTH EFFECTS

Swallowed: May cause headaches, dizziness, nausea, vomiting, CNS effects and coma due to the presence of naphtha (petroleum), hydrotreated heavy. May cause stomach discomfort and constipation.

LD₅₀ (rat)[Naphtha (petroleum), hydrotreated heavy] > 10,000 mg/kg;



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Eyes: Direct contact with the eyes may result in moderate irritation due to the presence of naphtha (petroleum), hydrotreated heavy. May cause reddening of the affected eye and lacrimation but is unlikely to cause permanent damage.

Skin: May be mildly irritating to skin due to the presence of naphtha (petroleum), hydrotreated heavy. Irritation may produce itching, burning sensation and reddening of the exposed area. Risk of skin absorption

LD₅₀ (rat)[Naphtha (petroleum), hydrotreated heavy] > 3160 mg/kg;

Inhaled: Inhalation of vapour from the mixture may cause irritation of the nose, throat and respiratory system. Symptoms include a burning sensation, coughing and breathing difficulties due to the presence of naphtha (petroleum), hydrotreated heavy. Inhalation of very high concentrations of vapour may produce CNS effects due to the presence of naphtha (petroleum), hydrotreated heavy resulting in dizziness, light-headedness, headache, nausea and loss of coordination.

LC₅₀ (rat)[Naphtha (petroleum), hydrotreated heavy] > 12 mg/L/6 h

CHRONIC HEALTH EFFECTS

Repeated or prolonged contact may lead to adverse effects to the CNS and possibly the kidneys due to the presence naphtha (petroleum), hydrotreated heavy. This mixture is not expected to be a mutagen, carcinogen or reprotoxin.

12. ECOLOGICAL INFORMATION

The ecological effects of this mixture as a whole have not been tested. The complexity of this mixture makes it difficult to calculate or even estimate any credible ecological data and hence none is given.

13. DISPOSAL CONSIDERATIONS

This material and its empty containers are classified as prescribed waste and may only be disposed of in accordance with applicable State and local regulations. These regulations vary from jurisdiction to jurisdiction and hence the user is counselled to seek advice from the local authority and classify the waste before considering disposal. The disposal information given below is a general guide and does not replace the requirement of the local regulations.

DISPOSAL

If possible recycle, otherwise dispose strictly in accordance with local industrial waste or environmental protection regulations. This substance may, if permitted by local authorities, be disposed of in an approved incineration facility. Send empty drums to a drum recycling organisation (ensure that the labels are legible and remain on the drums).

SPECIAL PRECAUTIONS

Do not allow this material to contaminate sewerage systems, soil, surface or ground water. The empty drums or other containers must not be reused, cut, welded drilled or subjected to a grinding operation or be stored in the vicinity of such operations.

When large amounts of this product need to be disposed of the services of a registered, professional waste disposal or recycling organisation is highly recommended.

14. TRANSPORT INFORMATION

This mixture has been classified as non-Dangerous Goods because it is exempted under section 2.3.1.2 and Section 2.3.1.3 of the following transport codes: ADG07, IMDG/IMO, ICAO/IATA and UN.



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15. REGULATORY INFORMATION

AICS All ingredients are listed on the AICS

SUSDP Exempt

16. OTHER INFORMATION

This mixture also contains a very small amount of respirable crystalline silica, which has been classified as a Group 1 carcinogen (*“the agent is carcinogenic to humans”*) by IARC. Chronic overexposure to respirable crystalline silica may also lead to impaired lung function or cause silicosis. There is no risk of the aforementioned health effects from this mixture “as is” because the silica is locked in a polymer matrix. However, when burning, cutting, sanding drilling with power tools or using any other treatment that causes the CURED mixture to generate dust, suitable respiratory protection must be worn (For selection guidance see AS 1716 and AS 1715).

MSDS

Issue Number: 03

Date of Issue: March 2015

Replaces: August 2011

Changes made to the previous issue: Test results have indicated that the firepoint of this mixture is > 170°C and consequently this mixture is not Class 3 flammable liquid. Hence MSDS issue 02 was rewritten to reflect this new data. Some editorial changes have also been made.

ACRONYMS

ACGIH: American Conference of Governmental Industrial Hygienists

ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail

AICS: Australian Inventory of Chemical Substances.

BAK: Biological Tolerance Value

BEI: Biological Exposure Indices.

CAS Number: Chemical Abstracts Service Registry Number

CNS: Central nervous system

DFG: Deutsche Forschungsgemeinschaft

DG: Dangerous Goods

IARC: International Agency for Research on Cancer.

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods Code

IMO: International Maritime Organization

N.O.S.: Not otherwise specified.

NOHSC: National Occupational Health and Safety Commission.

PPE: Personal protection equipment.

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.

UN Number: United Nations Number

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular, how to safely handle and use the product in the workplace. Since RLA Group Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use then product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for the products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request