SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	**ALLCO TPO Membrande Adhesive Liquid**
Product Use:	Adhesive
Restriction of Use:	Refer to Section 15
New Zealand Supplier:	Allco Waterproofing Solutions
Address:	5 Te Kea Place Albany, Auckland New Zealand
Telephone:	+64 (0)9 448 1185
Emergency No:	**0800 764 766 (National Poison Centre)**
Date SDS Issued:	10 September 2026

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

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

Pictograms



SIGNAL WORD: DANGER

GHS Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 2	H225	Highly flammable liquid and vapour.
Eye irritation Cat. 2	H319	Causes serious eye irritation.
specific target organ toxicity - single exposure Cat 3 - Narcotic Effects	H336	May cause drowsiness or dizziness.
Hazardous to the aquatic environment chronic Cat. 3	H412	Harmful 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.
P261	Avoid breathing fumes, mist, vapours or spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment [if this is not the intended use].
P280	Wear protective clothing [as detailed in SDS Section 8].

Response Code	**Response Statement**
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: 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.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use CO2, dry powder, or chemical foam to extinguish.

Storage Code	**Storage Statement**
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	**Disposal Statement**
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition of hazardous Ingredients

Ingredients	**Wt%**	**CAS NUMBER.**
Methyl Acetate	65-75	79-20-9
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	5-15	64742-49-0
Styrene/ isoprene copolymer	15-25	25038-32-8

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/attention.

If on Skin — Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Seek medical attention if needed.

If Swallowed — Immediately give a glass of water. Never give anything to the mouth of an unconscious person. If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus. Seek medical attention if needed.

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:	
Inhalation	May cause drowsiness or dizziness.
Ingestion	Not applicable.
Skin contact	Not applicable.
Eye contact	Causes serious eye irritation.

Notes to Doctor: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Liquid and vapour are highly flammable.
Hazards from products	Severe fire hazard when exposed to heat, flame and/or oxidisers. Vapour may travel a considerable distance to source of ignition. Heating may cause expansion or decomposition leading to violent rupture of containers. Combustion products include: carbon dioxide (CO2) other pyrolysis products typical of burning organic material.
Suitable Extinguishing media	Alcohol stable foam. Dry chemical powder. BCF (where regulations permit). Carbon dioxide. Water spray or fog - Large fires only.
Precautions for firefighters and special protective clothing	Wear breathing apparatus plus protective gloves in the event of a fire. May be violently or explosively reactive. Prevent, by any means available, spillage from entering drains or water course. Consider evacuation (or protect in place).
HAZCHEM CODE	**3Y**

Section 6. Accidental Release Measures

Wear protective clothing as described in Section 8. Remove all ignition sources. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes.

Prevent by any means available, spillage from entering drains and water-courses.

Contain and absorb small quantities with vermiculite or other absorbent material. Place into a container for disposal. Dispose of as per Section 13.

Section 7. Handling and Storage

Handling:

- Read carefully and follow all instructions.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep container tightly closed.
- Ground and bond container and receiving equipment.
- Use explosion-proof [electrical, ventilating and lighting] equipment.
- Use non-sparking tools.

- Take action to prevent static discharge.
- Avoid breathing fumes, mist, vapours or spray.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective clothing [as detailed in SDS Section 8].
- DO NOT enter confined spaces until atmosphere has been checked.
- DO NOT allow clothing wet with material to stay in contact with skin.

Storage:

- Store away from incompatible materials listed in Section 10.
- Store locked up.
- Keep container tightly closed.
- Store in a well-ventilated place. Keep cool.

Section 8 Exposure Controls / Personal Protection

Exposure Limit Values:
WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

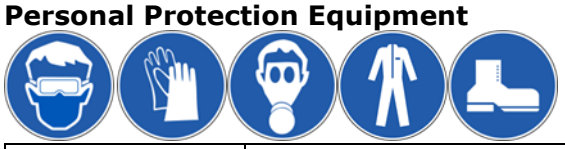
Substance		TWA ppm	TWA mg/m³	STEL ppm	STEL mg/m³
Methyl acetate	[79-20-9]	100	303	250	757

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

For flammable liquids and flammable gases, local exhaust ventilation or a process enclosure ventilation system may be required. Ventilation equipment should be explosion-resistant.

Personal Protection Equipment



Eyes	Safety glasses with side shields. Chemical goggles. [AS/NZS 1337.1, EN166 or national equivalent]
Hands	Wear chemical protective gloves, e.g. PVC.
Skin	Wear overalls, PVC apron and safety shoes.
Respiratory	Type AX Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Section 9 Physical and Chemical Properties

Appearance	Liquid
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	57^{0}C
Melting Point	-98.05^{0}C
Freezing Point	-98.05^{0}C

Flash Point	-10^{0}C
Flammability	Highly Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	220 kPa
Vapour Density	Not available
Relative Density	0.908 (water=1)
Solubility in water	Immiscible
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Viscosity	160 cSt
VOC content	Not available

Section 10. Stability and Reactivity

Stability of Substance	Stable at normal conditions.
Conditions to Avoid	Sources of ignition, heat and direct sunlight.
Incompatible Materials	Nitrates and oxidisers.
Hazardous Decomposition Products	No data available.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable. Swallowing large doses of methyl acetate may result in severe cramping, intoxication and depression of the central nervous system.
Dermal	Not applicable.
Inhalation	May cause drowsiness or dizziness. Inhalation of methyl acetate causes severe headache and sleepiness.
Eye	Causes serious eye irritation. Overexposure to methyl acetate vapour may result in a condition known as amylopia (dimming of vision) due to withering of the optic nerve. Methyl acetate may resemble methanol in this respect. Animal testing showed that methyl acetate causes severe eye irritation, but this is reversible after exposure ends.
Skin	Not applicable.

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.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50

Methyl acetate	3700 mg/kg (rabbit)	>2000 mg/kg (rabbit)	-
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	16.75 mg/kg (rat)	3.35 mg/kg (rat)	0.26 mg/l/4hr (rat)

Section 12. Ecotoxicological Information

Harmful to aquatic life with long lasting effects. Do not allow to enter waterways.

Persistence and degradability	No data available on product. Methyl Acetate: Persistence: Water/Soil: LOW Air: LOW
Bioaccumulative	No data available on product. Methyl Acetate: LOW (logKOW=0.18)
Mobility in soil	No data available on product. Methyl Acetate: MEDIUM (logKOC =3.324)
Other adverse effects	No data available on product

	Endpoint	Test Duration (hr)	Species	Value	Source
Methyl Acetate	EC50	72h	Algae or other aquatic plants	>120mg/l	1
	EC50	48h	Crustacia	1026.7mg/l	1
	NOEC(ECx)	72h	Algae or other aquatic plants	≥120 mg/l	1
	LC50	96h	Fish	250mg/l	1

	Endpoint	Test Duration (hr)	Species	Value	Source
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	EC50	48h	Crustacea	0.64 mg/l	2
	EC50	96h	Algae or other aquatic plants	64 mg/l	2
	NOEC(ECx)	504h	Crustacea	0.17mg/l	2
	LC50	96h	Fish	0.11 mg/l	2

Legend: *Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances – Ecotoxicological Information – Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data*

Section 13. Disposal Considerations

Disposal Method:
Ensure containers are empty before discarding. Recycle where possible. Dispose as per Local Regulations.

Precautions and methods to avoid: Do not allow to enter waterways.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in Australia; ADG 7.9

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021



Road, Rail, Sea and Air Transport

UN No	1133
Class - Primary	3
Packing Group	III
Proper Shipping Name	**ADHESIVES containing flammable liquid (contains Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane and methyl acetate)**
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. Special Provisions: 223

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

Poison Schedule No: Not scheduled

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

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

Controls in New Zealand:
Trigger quantities for this substance:

HSW (HS) Regulations 2017 and EPA Notices	**Trigger Quantity**
Certified Handler	Not required
Location Certificate	100L (>5L); 250L (<5L); 50L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250 L
Emergency Response Plan	1000 L
Secondary Containment	1000 L
Fire Extinguisher	250 L = 2 off
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 APRIL 2022 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
This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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

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