



Date of issue: 2.06.21

NZ Safety Data Sheet

1. Identification of the Substance/Mixture and Supplier.		
Product Name:	JM ALL SEASON SPRAYABLE BONDING ADHESIVE	
Uses:	Spraying adhesive	
Supplier:	Nuralite Waterproofing Ltd 60D Leon Leicester Avenue Mt Wellington Auckland 1060 New Zealand.	
Telephone:	+64 9 579 2046	
Web:	www.nuralite.co.nz	
Emergency Telephone:	027 5350899 (General Manager) – 24 hrs	
National Poisons Centre Tel:	0800 POISON (0800 764766) – 24 hrs	
2. Hazards Identification.		
<b>Hazardous Status:</b> Classified as hazardous according to the criteria of HSNO.		
<b>DG Status:</b> Classified as Dangerous Goods according to NZS5433		
HAZARD CLASSIFICATIONS	HAZARD STATEMENTS	GHS Pictogram
Flammable gases, Cat 1	H220 Extremely flammable gas	
Skin corrosion/irritation, Cat 2	H315 Causes skin irritation.	
Serious eye damage/irritation, Cat 2A/2B	H319 Causes serious eye irritation.	
Aquatic toxicity (Chronic), Cat 2	H411 Toxic to aquatic life with long lasting effects.	
Signal Word:		DANGER
PREVENTION STATEMENTS		
P103	Read label before use.	
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.	
P264	Wash thoroughly after handling.	
P273	Avoid release to the environment.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
RESPONSE STATEMENTS		
P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely.	
P381	Eliminate all ignition sources if safe to do so.	
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.	
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.	
P332 + P313	If skin irritation occurs: Get medical advice/attention.	
P362	Take off contaminated clothing and wash before reuse.	
P391	Collect spillage.	

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STORAGE STATEMENTS		
P403	Store in a well-ventilated place.	
DISPOSAL STATEMENTS		
P501	Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.	
3. Composition/Information on Ingredients.		
Chemical Entity	CAS Number	Proportion %w/w
methyl acetate	79-20-9	>= 10 - <30
cyclohexane	110-82-7	>= 10 - <30
acetone; 2-propanone	67-64-1	>= 7 - <13
pentane	109-66-0	>= 5 - <10
petroleum gases, liquefied	68476-85-7	>= 3 - <7
carbon dioxide	124-38-9	>= 3 - <7
Other ingredients: Non-hazardous or below the hazardous threshold – to 100%		
4. First Aid Measures.		
<b>Swallowed</b>	If swallowed do NOT induce vomiting. Give water to drink. Get medical attention if symptoms occur.	
<b>Inhaled</b>	If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Obtain medical attention if symptoms occur.	
<b>Eye Contact</b>	If splashed in the eyes, wash out immediately with water. Obtain medical attention if irritation occurs.	
<b>Skin Contact</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Get medical attention if symptoms occur.	
<b>Further Information</b>	For advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately.	
5. Fire-Fighting Measures.		
<b>Suitable extinguishing media</b>	In case of fire, use water spray (fog), sand, dry chemical or CO <sub>2</sub> .	
<b>Unsuitable extinguishing media</b>	High volume water jet.	
<b>Hazards from the substance</b>	In a fire or if heated, a pressure increase will occur and the container may burst.	
<b>Hazardous combustion products</b>	Decomposition products may include: Carbon oxides, Nitrogen oxides, Hydrogen chloride gas.	
<b>Special precautions for fire-fighters</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.	
<b>Special protective equipment for fire fighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.	
6. Accidental Release Measures.		
<b>Personal precautions</b>	Wear appropriate Personal Protective Equipment (see section 8). Provide adequate ventilation.	
<b>Environmental precautions</b>	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).	

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<b>Spill</b>	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.
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**7. Handling and Storage.**

<b>Handling</b>	Keep away from sources of ignition - No smoking. Use only in area provided with appropriate exhaust ventilation. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Keep away from fire, sparks and heated surfaces. Do not use sparking tools. Use only with adequate ventilation.
<b>Storage</b>	BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Keep in a dry, cool and well-ventilated place

**8. Exposure Control/Personal Protection****Exposure Standards**

Product/Ingredient	WES/TWA	WES/STEL	Reference
Methyl Acetate	200ppm, 606mg/m <sup>3</sup>	250ppm, 757mg/m <sup>3</sup>	NZ-WES
Cyclohexane	100ppm, 350mg/m <sup>3</sup>	300ppm, 1050mg/m <sup>3</sup>	NZ-WES
Acetone	500ppm, 1185mg/m <sup>3</sup>	1000ppm, 2375mg/m <sup>3</sup>	NZ-WES
Pentane	600ppm, 1770mg/m <sup>3</sup>	750ppm, 2120mg/m <sup>3</sup>	NZ-WES
LPG	1000ppm, 1800mg/m <sup>3</sup>		
Carbon Dioxide	5000ppm, 9000mg/m <sup>3</sup>	30,000ppm, 54,000mg/m <sup>3</sup>	NZ-WES

**Engineering Controls**

General ventilation and local exhaust should be suitable to keep vapour concentrations below WES/TWA. Ventilation equipment should be explosion-proof when operating in flammable zones.

**Personal Protection**

Respiratory	Wear a vapour respirator.
Eyes	Wear chemical goggles/face protection.
Hands	Wear chemical gloves – PVC, Polychlorpropene, Butyl rubber or Nitrile.
Other	Wear overalls or dust coat. Use PVC apron when handling large quantities.

**9. Physical and Chemical Properties**

PROPERTY	SPECIFICATION
Physical state	Liquid (dispensed as aerosol)
Colour	Green
Odour	Hydrocarbon-like
pH	No data
Boiling Pt	36°C
Melting Pt	No data
Flash Pt	-35°C
Flammability (solid, gas)	Extremely flammable (dispensed as aerosol)

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Explosive properties	LEL: 1.2%(v), UEL: 16%(v)		
Vapour pressure	233 hPa (20°C)		
Density	0.856 g/m: (20°C)		
Solubility	Immiscible with water		
Viscosity	No data		
Auto Ignition temperature	260°C		
<b>10. Stability and Reactivity</b>			
<b>Stability</b>	The product is stable		
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.		
<b>Conditions to avoid</b>	Heat, flames and sparks.		
<b>Incompatible materials</b>	Oxidizing agents, Acids and bases, Metals, halogenated compounds		
<b>Hazardous decomposition products</b>	Under fire conditions: carbon oxides, nitrogen oxides, Hydrogen chloride gas, Aldehydes, Hydrocarbons, acids		
<b>11. Toxicological Information</b>			
Original data sourced from CCID – mixture rules applied			
<b>Acute Oral Toxicity</b>	Not Classified		
<b>Acute Dermal Toxicity</b>	Not Classified		
<b>Acute Inhalation Toxicity</b>	Not Classified		
<b>Acute Aspiration Toxicity</b>	Not Classified (contents may be fatal if swallowed and enter airways, but unlikely to occur when stored in a pressure vessel)		
<b>Skin Irritancy/Corrosion</b>	Causes skin irritation.		
<b>Eye Irritancy/Corrosion</b>	Causes serious eye irritation.		
<b>Respiratory Sensitisation</b>	Not Classified		
<b>Skin Sensitisation</b>	Not Classified		
<b>Mutagenic</b>	Not Classified		
<b>Carcinogenic</b>	Not Classified		
<b>Reproductive/Development Toxicity</b>	Not Classified		
<b>STOT-SE</b>	Not Classified		
<b>STOT-RE</b>	Not Classified		
Toxicity Data			
<b>Product Acute Toxicity Estimate</b>			
ORAL LD50 >2000 mg/kg			
DERMAL LD50 >2000 mg/kg			
INHALATION LC50 (vapours) >20 mg/L/4H			
<b>Ingredient:</b>	<b>Oral LD50 mg/kg</b>	<b>Dermal LD50 mg/kg</b>	<b>Inhalation LC50 mg/L/4H</b>
Methyl Acetate	3705 - Rabbit		
Acetone	3000 – Mouse	-	-
Cyclohexane	813 – Mouse	-	13.9 – Vap - Rat

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### 12. Ecological Information

This product is classified as Ecotoxic according to the criteria of HSNO.

Toxic to aquatic life with long lasting effects.

Ecotoxicity Data - CCID

**Product Calculated Aquatic Ecotoxicity – L(E)C50 >1 - ≤10 mg/L:**

Product/Ingredient	Species
	FISH
Cyclohexane	SPECIES: Morone saxatilis (Striped bass) TYPE OF EXPOSURE: Static DURATION: 4 day (96 hr) ENDPOINT: LC50 (Mortality) VALUE: 8300 ug/l (= 8.3 mg/l)

	CRUSTACEAN
Cyclohexane	SPECIES: Daphnia magna (Crustacea) TYPE OF EXPOSURE: DURATION: 48 hr ENDPOINT: EC50 (IM) VALUE: 3.78 mg/l

Pentane	SPECIES: Daphnia magna (Crustacea) TYPE OF EXPOSURE: DURATION: 48 hr ENDPOINT: EC50 VALUE: 9.74 mg/l
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#### Persistence & Degradability

Cyclohexane	Not rapidly degradable
Pentane	Rapidly degradable

<b>Mobility</b>	No data
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#### Bioaccumulative Potential

Cyclohexane	Not bioaccumulative
Pentane	Not bioaccumulative

### 13. Disposal Considerations.

Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.

### 14. Transportation Information.

Regulated for transport	Keep separated from foodstuffs
UN Number:	3501
Proper Shipping Name:	CHEMICAL UNDER PRESSURE, FLAMMABLE, NOS (Methyl acetate, Pentanes)
Class:	2.1
Packing Group:	N/A
Hazchem:	2YE
Marine Pollutant:	Yes

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<p>Land/Sea/Air</p> 	<p>EHSM also required for Sea/Air</p> 
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**15. Regulatory Information.**

Group Standard:	HSR002532 Gas Under Pressure Mixtures - Flammable
<b>HSNO CONTROLS</b>	
SDS required when any quantity is present in a workplace.	
At least 2 x 4.5kg powder fire extinguishers required when >50kg is present in a workplace.	
Emergency Response Plan and Secondary Containment required when >300kg is present in a workplace	
Flammable signage required when >250kg is stored.	
Ecotoxic signage required when >1000kg is stored.	
(Flammable gas, Cat 1) Hazardous Substances Location Compliance Certificate required for:	>100kg
(Flammable gas, Cat 1) Hazardous Atmosphere Zone required for:	>100kg
Certified Handler	Not Required
Tracking	Not Required

This material is not subject to the following agreements:

- Montreal Protocol (Ozone Depleting Substances)
- The Stockholm Convention (Persistent Organic Pollutants)
- The Rotterdam Convention (Prior Informed Consent)

All ingredients are on the New Zealand Inventory of Chemicals (NZIoC), or exempt.  
 Any existing national regulations on the handling of dangerous substances should be observed.  
 Controls for hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will need to take into account aggregate quantities. Contact a WorkSafe approved Compliance Certifier for further information and guidance.

**16. Other Information.**

HSNO = Hazardous Substances and New Organisms Act.  
 EPA = Environmental Protection Authority  
 CCID = Chemical Classification and Information Database (EPA)  
 NZ WES = New Zealand Work Exposure Standard  
 TWA = Time Weighted Average  
 STEL = Short Term Exposure Limit

Date of SDS Preparation: 2 June 2021

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.