

Date of issue: 18.02.22

NZ Safety Data Sheet







**1. Identification of the Substance/Mixture and Supplier.**

Product Name: PU ADHESIVE  
 Uses: Polyurethane 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.**

**Hazardous Status:** Classified as hazardous according to the criteria of HSNO.

**DG Status:** Not classified as Dangerous Goods according to NZS5433

HAZARD CLASSIFICATIONS	HAZARD STATEMENTS	GHS Pictogram
STOT-SE, Cat 3	H335 May cause respiratory irritation.	
Skin corrosion/irritation, Cat 2	H315 Causes skin irritation.	
Serious eye damage/irritation, Cat 2A	H319 Causes serious eye irritation.	
Respiratory sensitisation, Cat 1	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
Skin sensitisation, Cat 1	H317 May cause an allergic skin reaction.	
Reproductive toxicity, Cat 1A/1B	H360 May damage fertility or the unborn child.	

Signal Word: DANGER

**PREVENTION STATEMENTS**

P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing mist/vapours/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P285	In case of inadequate ventilation wear respiratory protection.


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RESPONSE STATEMENTS		
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.	
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.	
P312	Call a POISON CENTER or doctor/physician if you feel unwell.	
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.	
P362	Take off contaminated clothing and wash before reuse.	
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.	
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.	
P308 + P313	IF exposed or concerned: Get medical advice/attention.	
STORAGE STATEMENTS		
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.	
P405	Store locked up.	
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
Diphenylmethnediisocyanate, isomers and homologues (pMDI)	9016-87-9	10 - 25
Pentane	109-66-0	2.5 - 5
N-methyl-2-pyrrolidone	872-50-4	0 – 2.5
Ethyl lactate	97-64-3	0 – 2.5
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), foam, dry chemical or CO2.	
<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, Other noxious substances.	

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<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.		
<b>6. Accidental Release Measures.</b>			
<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).		
<b>Spill</b>	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed hazardous waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.		
<b>7. Handling and Storage.</b>			
<b>Handling</b>	Wear appropriate PPE, and ensure there is adequate ventilation and extraction in the work area. Avoid skin or eye contact, or breathing in the product.		
<b>Storage</b>	Keep container dry and tightly closed, in a cool, well-ventilated area, away from direct sunlight.		
<b>8. Exposure Control/Personal Protection</b>			
<b>Exposure Standards</b>			
<b>Product/Ingredient</b>	<b>WES/TWA</b>	<b>WES/STEL</b>	<b>Reference</b>
pMDI (as NCO)	0.02 mg/m <sup>3</sup>	0.07 mg/m <sup>3</sup>	NZ-WES
Pentane	600ppm, 1770mg/m <sup>3</sup>	750ppm, 2120mg/m <sup>3</sup>	NZ-WES
n-Methyl-2-pyrrolidone	25ppm, 103mg/m <sup>3</sup>	75ppm, 309mg/m <sup>3</sup>	NZ-WES
<b>Engineering Controls</b>	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.		
<b>Personal Protection</b>			
<b>Respiratory</b>	Wear a vapour respirator. In case of high or long term exposure, use an air-fed respirator.		
<b>Eyes</b>	Wear chemical goggles and/or face shield.		
<b>Hands</b>	Wear chemical gloves – PVC, Polychlorpropene or Nitrile.		
<b>Other</b>	Wear overalls or dust coat. Use PVC apron when handling large quantities.		

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9. Physical and Chemical Properties	
PROPERTY	SPECIFICATION
Physical state	Liquid
Colour	Light yellow
Odour	Characteristic
pH	No data
Boiling Pt	330°C
Melting Pt	No data
Flash Pt	>100°C
Explosive properties	Product does not present an explosion hazard
Vapour pressure	No data
Density	1.12 kg/L
Water Solubility	Insoluble
Viscosity, dynamic	7000 mPas @ 20°C
Ignition temperature	400°C
10. Stability and Reactivity	
<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>	Contact with incompatible materials.
<b>Incompatible materials</b>	Oxidisers, strongly acidic or alkaline products. Uncontrolled exothermic reactions occur in contact with amines or alcohols. Reacts slowly with water to release carbon dioxide
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
11. Toxicological Information	
Data sourced from manufacturer (IKO)	
<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
<b>Skin Corrosion/Irritancy</b>	Causes skin irritation.
<b>Eye Corrosion/Irritancy</b>	Causes serious eye irritation.
<b>Respiratory Sensitiser</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Skin Sensitiser</b>	May cause an allergic skin reaction
<b>Mutagenic</b>	Not Classified
<b>Carcinogenic</b>	Not Classified
<b>STOT-SE</b>	May cause respiratory irritation
<b>STOT-RE</b>	Not Classified
<b>Toxicity Data</b>	
<b>Product Acute Toxicity Estimate</b>	
ORAL LD50 >2000 mg/kg	
DERMAL LD50 >2000 mg/kg	



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INHALATION LC50 (dust/mist) >5 mg/L/4H			
<b>Acute Toxicity Data</b>			
<b>Ingredient:</b>	<b>Oral LD50 mg/kg</b>	<b>Dermal LD50 mg/kg</b>	<b>Inhalation LC50 mg/L/4H</b>
p-MDI (CAS 9016-87-9)	49000 - Rat	9400 - Rabbit	0.49 - Rat
<b>12. Ecological Information</b>			
This product is not classified as Ecotoxic according to the criteria of HSNO.			
<b>Ecotoxicity Data - IKO</b>			
<b>Toxicity</b>			
<b>CAS 9016-87-9</b>			
EC50, 24H: >1000 mg/L – Daphnia magna			
EC50, 3H: >100 mg/L – Activated sludge			
LC50, 96H: >1000 mg/L – Bracydanio rerio			
<b>CAS 872-50-4</b>			
EC50, 24H: >1000 mg/L – Daphnia magna			
LC50, 96H: >500 mg/L – Leuciscus idus			
<b>Persistence &amp; Degradability</b>			
No data			
<b>Mobility</b>			
No data			
<b>Bioaccumulative Potential</b>			
No data			
<b>13. Disposal Considerations.</b>			
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.			
<b>14. Transportation Information.</b>			
Not regulated for transport. Keep separated from foodstuffs.			
<b>15. Regulatory Information.</b>			
Group Standard:	HSR002670 Surface Coatings & Colorants – Subsidiary Hazard		
<b>HSNO CONTROLS</b>			
SDS required when any quantity is present in a workplace.			
Emergency Response Plan and Secondary Containment required when >1000L is present in a workplace			
Certified Handler	Not Required		
Tracking	Not Required		



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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.
<b>16. Other Information.</b>
<p>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</p> <p>Date of SDS Preparation: 18 February 2022                  Replaces Version Dated: 9 July 2018</p>

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.