

Date of issue: 18.02.22

NZ Safety Data Sheet

1. Identification of the Substance/Mixture and Supplier.

Product Name:	SG 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: Classified as Dangerous Goods according to NZS5433

HAZARD CLASSIFICATIONS	HAZARD STATEMENTS	GHS Pictogram
Flammable liquids, Cat 2	H225 Highly flammable liquid and vapour.	
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.	
Carcinogenicity, Cat 2	H351 Suspected of causing cancer.	
Aquatic toxicity (Chronic), Cat 3	H412 Harmful to aquatic life with long lasting effects.	

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.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.

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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.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P285	In case of inadequate ventilation wear respiratory protection.

RESPONSE STATEMENTS

P370 + P378	In case of fire: Use foam, carbon dioxide or dry chemical powder for extinction.
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 + P235	Store in a well-ventilated place. Keep cool.
P233	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.
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3. Composition/Information on Ingredients.

Chemical Entity	CAS Number	Proportion %w/w
Methyl Acetate	79-20-9	20 - <25
Diphenylmethenediisocyanate, isomers and homologues (pMDI)	9016-87-9	≤5
Ethyl Acetate	141-78-6	3 - 5
Cyclohexane	110-82-7	≤1
Other ingredients: Non-hazardous or below the hazardous threshold – to 100%		

4. First Aid Measures.

Swallowed	If swallowed do NOT induce vomiting. Give water to drink. Get medical attention if symptoms occur.
Inhaled	If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Obtain medical attention if symptoms occur.
Eye Contact	If splashed in the eyes, wash out immediately with water. Obtain medical attention if irritation occurs.
Skin Contact	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Get medical attention if symptoms occur.
Further Information	For advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately.

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5. Fire-Fighting Measures.			
Suitable extinguishing media	In case of fire, use water spray (fog), foam, dry chemical or CO ₂ .		
Unsuitable extinguishing media	High volume water jet.		
Hazards from the substance	In a fire or if heated, a pressure increase will occur and the container may burst.		
Hazardous combustion products	Decomposition products may include: Carbon oxides, Nitrogen oxides, Other noxious substances.		
Special precautions for fire-fighters	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.		
Special protective equipment for fire fighters	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.			
Personal precautions	Wear appropriate Personal Protective Equipment (see section 8). Provide adequate ventilation.		
Environmental precautions	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).		
Spill	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). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.		
7. Handling and Storage.			
Handling	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. Follow precautions listed in section 2 for handling flammable/combustible liquids.		
Storage	Keep container dry and tightly closed, in a cool, well-ventilated area, away from direct sunlight.		
8. Exposure Control/Personal Protection			
Exposure Standards			
Product/Ingredient	WES/TWA	WES/STEL	Reference
pMDI (as NCO)	0.02 mg/m ³	0.07 mg/m ³	NZ-WES
Methyl Acetate	200ppm, 606mg/m ³	250ppm, 757mg/m ³	NZ-WES
Ethyl Acetate	200ppm, 720mg/m ³	-	NZ-WES
Cyclohexane	100ppm, 350mg/m ³	300ppm, 1050mg/m ³	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.		

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Personal Protection	   
Respiratory	Wear a vapour respirator. In case of high or long term exposure, use an air-fed respirator.
Eyes	Wear chemical goggles/face protection.
Hands	Wear chemical gloves – PVC, Polychlorpropene 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
Colour	Yellow
Odour	Characteristic
pH	No data
Boiling Pt	57°C
Melting Pt	No data
Flash Pt	-10°C
Explosive properties	Formation of explosive air/vapour mixtures is possible LEL: 3.1% vol UEL: 16.0% vol
Vapour pressure	228 hPa
Density	1.1 kg/L
Water Solubility	Insoluble
Viscosity, dynamic	4600 mPas
Ignition temperature	400°C

10. Stability and Reactivity

Stability	The product is stable
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Heat, incompatible products.
Incompatible materials	Oxidants
Hazardous decomposition products	Smokes, carbon oxides may be released if product is heated.

11. Toxicological Information

Data sourced from manufacturer (IKO)	
Acute Oral Toxicity	Not Classified
Acute Dermal Toxicity	Not Classified
Acute Inhalation Toxicity	Not Classified
Acute Aspiration Toxicity	Not Classified
Skin Irritancy/Corrosion	Causes skin irritation.
Eye Irritancy/Corrosion	Causes serious eye irritation.
Respiratory Sensitisation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sensitisation	May cause an allergic skin reaction

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Mutagenic	Not Classified		
Carcinogenic	Suspected of causing cancer.		
Reproductive/Development Toxicity	Not Classified		
STOT-SE	May cause respiratory irritation		
STOT-RE	Not Classified		
Toxicity Data			
Product Acute Toxicity Estimate			
ORAL LD50 >2000 mg/kg			
DERMAL LD50 >2000 mg/kg			
INHALATION LC50 (vapours) 220 mg/L/4H			
Ingredient:	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 mg/L/4H
CAS 9017-87-9	49000 - Rat	9400 - Rabbit	0.49 - Rat
CAS 79-20-9	3705 - Rabbit	-	-
CAS 141-78-6	5620 - Rabbit	-	1600 - Rat
CAS 110-82-7	12705 - Rat	-	13.6 - Vap - Rat
12. Ecological Information			
This product is classified as Ecotoxic according to the criteria of HSNO.			
Harmful to aquatic life with long lasting effects.			
Ecotoxicity Data - IKO			
Product Calculated Aquatic Ecotoxicity - L(E)C50: >10 - ≤100 mg/L			
Ingredient Toxicity			
CAS 9016-87-9 EC50, 24H: >1000 mg/L – Daphnia magna EC50, 3H: >100 mg/L – Activated sludge LC50, 96H: >1000 mg/L – Bracydanio rerio			
CAS 110-82-7 EC50, 48H: 0.9 mg/L – Daphnia magna EC50, 72H: 3.4 mg/L - Algae			
CAS 141-78-6 EC50: >700 mg/kg - Daphnia			
CAS 79-20-9 LC50, 96H: >300 mg/L – Pimephales promelas EC50, 48H: >1000 mg/L – Daphnia magna			
Persistence & Degradability			
No data			
Mobility			
No data			
Bioaccumulative Potential			
No data			
Other			
Water hazard class 1 (German regulation) (self assessment): Slightly hazardous for water			

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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:	1133
Proper Shipping Name:	ADHESIVES
Class:	3
Packing Group:	II
Hazchem:	3YE
Marine Pollutant:	No
	
15. Regulatory Information.	
Group Standard:	HSR002669 Surface Coatings & Colorants – Flammable, Carcinogenic
HSNO CONTROLS	
SDS required when any quantity is present in a workplace.	
At least 2 x 4.5kg powder fire extinguishers required when 250L is present in a workplace.	
Emergency Response Plan and Secondary Containment required when >1000L is present in a workplace	
Flammable signage required when >250L is stored.	
Ecotoxic signage required when >1000L is stored.	
(Flammable Liq, cat 2 Hazardous Substances Location Compliance Certificate required for:	>100L (closed containers >5L) >250L (closed containers up to 5L) >50L (open containers)
(Flammable Liq, Cat 2) Hazardous Atmosphere Zone required for:	>100L (closed containers) >25L (decanting) >5L (open occasionally) >1L (open containers in continuous use)
Certified Handler	Not Required
Tracking	Not Required
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.	



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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: 18 February 2022
Replace Version dated: 9 July 2018

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.