



Date of issue: 4.10.17

NZ Safety Data Sheet

1. Identification of the Substance/Mixture and Supplier.			
Product Name:	Nuraply EverGuard 1121 TPO Bonding Adhesive		
Uses:	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 in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.			
DG Status: Classified as Dangerous Goods according to NZS5433			
HAZARD CLASSIFICATIONS		HAZARD STATEMENTS	GHS Pictogram
HSNO	GHS Equivalent		
3.1B	Flammable liquids, Cat 2	H225 Highly flammable liquid and vapour.	
6.1D (oral)	Acute toxicity: Oral, Cat 4	H302 Harmful if swallowed.	
6.3A	Skin corrosion/irritation, Cat 2	H315 Causes skin irritation.	
6.4A	Serious eye damage/irritation, Cat 2A	H319 Causes serious eye irritation.	
6.7B	Carcinogenicity, Cat 2	H351 Suspected of causing cancer.	
6.8B	Reproductive toxicity, Cat 2	H361 Suspected of damaging fertility or the unborn child.	
6.9B (repeat exposure)	STOT-RE, Cat 2	H373 May cause damage to organs through prolonged or repeated exposure by inhalation.	
9.1C	Aquatic toxicity (Chronic), Cat 3	H412 Harmful to aquatic life with long lasting effects.	
9.3C	N/A	H433 Harmful to terrestrial vertebrates.	
Signal Word:		DANGER	
PREVENTION STATEMENTS			
P102	Keep out of reach of children.		
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.		



Date of issue: 4.10.17

NZ Safety Data Sheet

P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE STATEMENTS

P370 + P378	In case of fire: Use foam, carbon dioxide or dry chemical powder for extinction.
P101	If medical advice is needed, have product container or label at hand.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P362	Take off contaminated clothing and wash before reuse.
P332 + P313	If skin irritation 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.
P314	Get medical advice/attention if you feel unwell.

STORAGE STATEMENTS

P403 + P235	Store in a well-ventilated place. Keep cool.
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
Toluene	108-88-3	30 - 40
Acetone	67-64-1	20 - 30
Solvent Naphtha, Light Aliphatic	64742-89-8	5 - 10
n-Hexane	110-54-3	5 - 10
Cyclohexane	110-82-7	1.5 - 5
n-Heptane	142-82-5	1 - 1.5
Ethyl Benzene	100-41-4	0.1 - 0.5

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.



5. Fire-Fighting Measures.			
Suitable extinguishing media	In case of fire, use water spray (fog), foam, dry chemical or CO2.		
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, 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).		
Small spill	Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.		
Large 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			
Ingredient	WES/TWA	WES/STEL	Reference
Toluene	50ppm, 108mg/m3	-	NZ-WES
Acetone	500ppm, 1185mg/m3	1000ppm, 2375mg/m3	NZ-WES
Solvent, Naphtha, Light Aliphatic	300ppm		OSHA
n-Hexane	20ppm, 72mg/m3		NZ-WES
Cyclohexane	100ppm, 350mg/m3	300ppm, 1050mg/m3	NZ-WES



Date of issue: 4.10.17

NZ Safety Data Sheet

n-Heptane	400ppm, 640mg/m ³	500ppm, 2050mg/m ³	NZ-WES
Ethyl Benzene	100ppm, 434mg/m ³	125ppm, 543mg/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.
Personal Protection	
Respiratory	Wear a vapour 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	Solvent odour
pH	No data
Boiling Pt	56°C
Melting Pt	No data
Flash Pt	-18°C cc
Explosive properties	LEL: 1%(v); UEL: 12.8%(v)
Vapour pressure	307.96 hPa @ 25°C
Density	0.873 kg/L @ 25°C
Solubility	No data
Viscosity	No data
Ignition temperature	No data

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	None known.
Incompatible materials	Acids, strong alkalis, strong oxidising agents
Hazardous decomposition products	Carbon oxides, phenols, various hydrocarbons.

11. Toxicological Information

Original data sourced from CCID	
Classification:	Acute Oral Toxicity – 6.1D
Health Effects:	Harmful if swallowed
Reference:	Determined by applying mixture rules.
Classification:	Skin Corrosion/Irritation – 6.3A
Health Effects:	Causes skin irritation.
Reference:	Determined by applying mixture rules.
Classification:	Eye Corrosion/Irritation – 6.4A
Health Effects:	Causes serious eye irritation.
Reference:	Determined by applying mixture rules.



Date of issue: 4.10.17

NZ Safety Data Sheet

Classification:	Carcinogenic – 6.7B		
Health Effects:	Suspected of causing cancer.		
Reference:	Determined by applying mixture rules.		
Classification:	Reproductive/Development Toxicant – 6.8B		
Health Effects:	Suspected of damaging fertility or the unborn child.		
Reference:	Determined by applying mixture rules.		
Classification:	STOT-RE – 6.9B		
Health Effects:	May cause damage to organs through prolonged or repeated exposure by inhalation.		
Reference:	Determined by applying mixture rules.		
Acute Dermal Toxicity	Not Classified		
Acute Inhalation Toxicity	Not Classified		
Acute Aspiration Toxicity	Not Classified		
Respiratory Sensitisation	Not Classified		
Skin Sensitisation	Not Classified		
Mutagenic	Not Classified		
STOT-SE	Not Classified		
Toxicity Data			
Product: Calculated Acute Toxicity			
ORAL LD50			
6.1D: >300 - ≤2000 mg/kg			
DERMAL LD50			
>5000 mg/kg			
INHALATION LC50 (vapours)			
>20.0 mg/L/4H			
Ingredient:	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 mg/L/4H
Toluene	636 - Rat	-	12.5 – Vap - Rat
Acetone	3000 – Mouse	-	-
Cyclohexane	813 – Mouse	-	13.9 – Vap - Rat
Ethyl Benzene	3500 – Rat	-	9.6 – Vap - Rat
12. Ecological Information			
This product is classified as Ecotoxic according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.			
H412 Harmful to aquatic life with long lasting effects.			
H433 Harmful to terrestrial vertebrates.			
Ecotoxicity Data - CCID			
Product Calculated Aquatic Ecotoxicity – L(E)C50 mg/L:			
9.1C: >10 - ≤100			
Ingredients contributing to Aquatic Ecotoxicity:			
Ingredient	Classification		
Toluene	9.1D		
Solvent Naphtha, Light Aliphatic	9.1B		
n-Hexane	9.1B		



Date of issue: 4.10.17

NZ Safety Data Sheet

Cyclohexane	9.1B
n-Heptane	9.1B
Ethyl Benzene	9.1D

Product:

Persistence & Degradability	No data
Mobility	No data
Bioaccumulative Potential	No data
Other	No data

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.

HSNO Classification:	3.1B, 6.1D(o), 6.3A, 6.4A, 6.7B, 6.8B, 6.9B(i), 9.1C, 9.3C
Group Standard:	HSR002669 Surface Coatings & Colorants – Flammable, Toxic (6.7)

HSNO CONTROLS

- Level 2: MSDS 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.
- Level 3: Emergency Response Plan and Secondary Containment required when >1000L is present in a workplace
- Flammable signage required when >250L is stored.
- Toxic signage required when >10,000L is stored.
- Ecotoxic signage required when >1000L is stored.
- Location and transit depot test certification required for quantities greater than: 100L (closed containers >5L), 250L (closed containers up to 5L), 50L (open containers).
- Hazardous atmosphere zone required for quantities greater than: 100L (closed containers), 25L (decanting), 5L (open occasionally), 1L (open containers in continuous use).
- Approved Handler required when present in quantities >250L (containers >5L), or 500L (containers up to 5L)
- Tracking: Not required.



Date of issue: 4.10.17

NZ Safety Data Sheet

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 an EPA/WorkSafe approved test 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
OSHA = Occupational Safety & Health Administration (USA)

Date of SDS Preparation: 4 October 2017

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.