








Date of issue: 20.03.19

NZ Safety Data Sheet

1. Identification of the Substance/Mixture and Supplier.			
Product Name:	NURAPOXY TG HARDENER		
Uses:	Epoxy hardener		
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
HSNO	GHS Equivalent		
6.1D (inhalation)	Acute toxicity: Inhalation, Cat 4	H332 Harmful if inhaled.	
6.1E (oral)	Acute toxicity: Oral, Cat 5	H303 May be harmful if swallowed.	
6.5B	Skin sensitisation, Cat 1	H317 May cause an allergic skin reaction.	
6.6B	Germ cell mutagenicity, Cat 2	H341 Suspected of causing genetic defects.	
6.9B (repeat exposure)	STOT-RE, Cat 2	H373 May cause damage to organs through prolonged or repeated (dermal/oral) exposure.	
8.2B	Skin corrosion/irritation, Cat 1B	H314 Causes severe skin burns and eye damage.	
8.3A	Serious eye damage/irritation, Cat 1	H318 Causes serious eye damage.	
9.1A	Aquatic toxicity (Chronic), Cat 1	H410 Very toxic to aquatic life with long lasting effects.	
9.2C	N/A	H423 Harmful to the soil environment.	
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.		
P260	Do not breathe the 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.		

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P280	Wear protective gloves/protective clothing/eye protection/face protection.	
RESPONSE STATEMENTS		
P101	If medical advice is needed, have product container or label at hand.	
P308 + P313	If exposed or concerned: Get medical advice/attention.	
P314	Get medical advice/attention if you feel unwell.	
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.	
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.	
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.	
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.	
P363	Wash contaminated clothing before reuse.	
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P310	Immediately call a POISON CENTER or doctor/physician.	
P391	Collect spillage.	
STORAGE STATEMENTS		
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
Silica	14808-60-7	30-60
Amine Cpd	Not available	10-30
Amine/Phenol-based Curing Agent	Not available	10-30
Polyamide Resin	Not available	1-10
Aromatic Alcohol	Not available	1-10
Nonyl Phenol	84852-15-3	1-10
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 immediately.	
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 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). Dispose of via a licensed hazardous 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.		
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
Phenol	5 ppm (skin)	-	NZ WES
Engineering Controls	General ventilation and local exhaust should be suitable to keep vapour concentrations minimised. Ventilation equipment should be explosion-proof when operating in flammable zones.		
Personal Protection			
Respiratory	Wear a vapour respirator.		
Eyes	Wear chemical goggles and face shield.		
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	Phenolic odour
pH	8.5 – 9.0
Boiling Pt	Not available
Melting Pt	Not available
Flash Pt	Not applicable
Explosive properties	Not available
Vapour pressure	Not available
Relative Density	1.0
Water Solubility	Partly soluble
Viscosity	Not available
Ignition temperature	Not available
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	Extremes of temperature and direct sunlight. Protect from freezing.
Incompatible materials	Strong oxidising agents. Strong acids and bases.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may result in the release of toxic and/or irritating fumes.
11. Toxicological Information	
Original data sourced from CCID and/or raw material SDSs:	
Classification:	Acute Oral Toxicity – 6.1E
Health Effects:	May be harmful if swallowed
Reference:	Determined by applying mixture rules
Classification:	Acute Inhalation Toxicity – 6.1D
Health Effects:	Harmful if inhaled
Reference:	Determined by applying mixture rules
Classification:	Skin Sensitiser – 6.5B
Health Effects:	May cause an allergic skin reaction
Reference:	Determined by applying mixture rules
Classification:	Mutagenic – 6.6B
Health Effects:	Suspected of causing genetic defects.
Reference:	Determined by applying mixture rules
Classification:	STOT-RE – 6.9B
Health Effects:	May cause damage to organs through prolonged or repeated (dermal/oral) exposure.
Reference:	Determined by applying mixture rules

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Classification:	Skin/Eye Corrosive – 8.2B
Health Effects:	Causes severe skin burns and eye damage.
Reference:	Determined by applying mixture rules
Classification:	Eye Corrosive – 8.3A
Health Effects:	Causes serious eye damage.
Reference:	Determined by applying mixture rules
Acute Dermal Toxicity	Not Classified
Acute Aspiration Toxicity	Not Classified
Respiratory Sensitisation	Not Classified
Carcinogenic	Not Classified. Note – The Silica generates Class 6.7A (inhalation), but this is not applicable when dispersed in binder.
Reproductive/Development Toxicity	Not Classified
STOT-SE	Not Classified
STOT-RE	Note – The Silica generates Class 6.9A (inhalation), but this is not applicable when dispersed in binder.
Toxicity Data	
Product Acute Toxicity Estimate	
ORAL LD50 6.1E: >2000 - ≤5000 mg/kg	
DERMAL LD50 >5000 mg/kg	
INHALATION LC50 (dust/mist) 6.1D: >1.0 - ≤5.0 mg/L/4H	
12. Ecological Information	
This product is classified as Ecotoxic according to the criteria of HSNO. H410 Very toxic to aquatic life with long lasting effects. H423 Harmful to the soil environment.	
Ecotoxicity Data – CCID and/or raw material SDSs:	
Product Calculated Aquatic Ecotoxicity – L(E)C50 mg/L:	
9.1A: ≤1	
Ecotoxic Ingredients	
Ingredient	Classification
Amine Cpd	9.1C
Amine/Phenol-based Curing Agent	9.1C
Aromatic Alcohol	9.1D, 9.2B, 9.3C
Nonyl Phenol	9.1A, 9.2C, 9.3C
Persistence & Degradability	No data
Mobility	No data
Bioaccumulative Potential	No data
Other	No data

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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	
UN Number:	3267
Proper Shipping Name:	CORROSIVE LIQUID, BASIC, ORGANIC, NOS (contains Amine, Nonyl Phenol)
Class:	8
Packing Group:	II
Hazchem:	2X
Marine Pollutant:	Yes
Land/Sea/Air	EHSM also required for Sea/Air
	
15. Regulatory Information.	
HSNO Classification:	6.1D(i), 6.1E(o), 6.5B, 6.6B, 6.9B, 8.2B, 8.3A, 9.1A, 9.2C
Group Standard:	HSR002658 Surface Coatings & Colorants - Corrosive
HSNO CONTROLS	
SDS required when any quantity is present in a workplace.	
Emergency Response Plan and Secondary Containment required when >100L is present in a workplace	
Toxic signage required when >10,000L is stored.	
Corrosive Signage required when >250L is stored.	
Ecotoxic signage required when >100L is stored.	
(Class 8.2B) Hazardous Substances Location Compliance Certificate required for:	>250L
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: 20 March 2019

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.