Date of issue: 19.02.22 NZ Safety Data Sheet

1. Identification of the Substance/Mixture and Supplier.

Product Name:	NURAJACK EPOXY ADHESIVE 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
Acute toxicity: Inhalation, Cat 4	H332 Harmful if inhaled.	
Skin sensitisation, Cat 1	H317 May cause an allergic skin reaction.	
Germ cell mutagenicity, Cat 2	H341 Suspected of causing genetic defects.	
STOT-RE, Cat 2	H373 May cause damage to organs through prolonged or repeated (dermal/oral) exposure.	
Skin corrosion/irritation, Cat 1B	H314 Causes severe skin burns and eye damage.	
Serious eye damage/irritation, Cat 1	H318 Causes serious eye damage.	
Aquatic toxicity (Chronic), Cat 1	H410 Very toxic to aquatic life with long lasting effects.	

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 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.

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 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, 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.

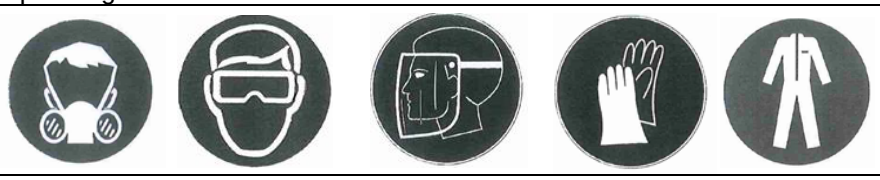
6. Accidental Release Measures.	
Personal precautions	Wear appropriate Personal Protective Equipment (see section 8). Provide adequate ventilation.
Environmental precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities 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:

Acute Oral Toxicity	Not Classified
Acute Dermal Toxicity	Not Classified
Acute Inhalation Toxicity	Harmful if inhaled
Acute Aspiration Toxicity	Not Classified
Skin Irritancy/Corrosion	Causes severe skin burns
Eye Irritancy/Corrosion	Causes serious eye damage.
Respiratory Sensitisation	Not Classified
Skin Sensitisation	May cause an allergic skin reaction
Mutagenic	Suspected of causing genetic defects.
Carcinogenic	Not Classified. Note – The Silica generates Carcinogenic, cat 1 (inhalation), but this is not applicable when dispersed in binder.
Reproductive/Development Toxicity	Not Classified
STOT-SE	Not Classified
STOT-RE	May cause damage to organs through prolonged or repeated (dermal/oral) exposure.

	Note – The Silica generates Cat 1 (inhalation), but this is not applicable when dispersed in binder.

Toxicity Data

Product Acute Toxicity Estimate

ORAL LD50
>2000 mg/kg

DERMAL LD50
>2000 mg/kg

INHALATION LC50 (dust/mist)
>1.0 - ≤5.0 mg/L/4H

12. Ecological Information

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

Very toxic to aquatic life with long lasting effects.

Ecotoxicity Data – CCID and/or raw material SDSs:

Product Calculated Aquatic Ecotoxicity – L(E)C50: ≤1 mg/L

Ecotoxic Ingredients

Ingredient	Classification
Amine Cpd	Chronic, cat 3
Amine/Phenol-based Curing Agent	Chronic, cat 3
Nonyl Phenol	Chronic, cat 1

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

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.

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.	
(Corrosive, cat 2) 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.	

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: 19 February 2022
Replace Version Dated: 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.