SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	**Norfill Epoxy Filler Hardener**
Item Code:	1112
UN no.	3082
Product Use:	Epoxy Filler Hardener
Restriction of Use:	Refer to Section 15
Australian Manufacturer:	**Norglass Paints**
Address:	59 Moxon Road Punchbowl NSW 2196 Australia
Telephone:	+61 2 9708 2200
Email:	info@norglass.com.au
New Zealand Supplier:	xxx
Address:	xxx xxx
Telephone:	0508 724687
Emergency Numbers:	
Australia:	**13 1126 (Poisons Information Centre)**
New Zealand:	**0800 764 766 (National Poison Centre)**
Date of SDS Preparation:	7 November 2016 v2

Section 2. Hazards Identification

This substance is hazardous according to:
New Zealand - The HSNO (Minimum Degrees of Hazard) Regulations 2001
Australia – Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)]

New Zealand:
EPA Approval No: Surface Coatings and Colourants (Toxic [6.1]) – HSR002675

Pictograms

Toxic Irritant Chronic Corrosive Ecotoxic

Signal Word: **DANGER**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.1C (dermal)	H311	Toxic in contact with skin.	Category 3

6.1D (oral)	H302	Harmful if swallowed.	Category 4
6.1D (inh)	H332	Harmful if inhaled.	Category 4
6.3A	H315	Causes skin irritation.	Category 2
6.5B	H317	May cause an allergic skin reaction.	Category 1
6.9B	H373	May cause damage to organs through prolonged or repeated exposure.	Category 2
8.3A	H318	Causes serious eye damage.	Category 1
9.1A (NZ only)	H400	Very toxic to aquatic life.	Category 1

Prevention Code	**Prevention Statement**
P102	Keep out of reach of children.
P103	Read label before use.
P260	Do not breathe fumes, gas, mist or vapours.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
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 clothing.

Response Code	**Response Statement**
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P330	Rinse mouth.
P362	Take off contaminated clothing and wash before re-use.
P391	Collect spillage.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.

Storage Code	**Storage Statement**
P405	Store locked up.

Disposal Code	**Disposal Statement**
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Ingredients

Ingredients	**Wt%**	**CAS NUMBER.**
Polyamide Resin	35-45	Proprietary
Fillers	30-40	Proprietary
Modified cyclo-aliphatic amine	20-25	Proprietary

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes — Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Get immediate medical attention.

If on Skin	Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. Seek immediate medical attention. If skin irritation or rash occurs: get medical advice.
If Swallowed	Rinse mouth. If the victim is conscious give water or milk to drink to dilute the effect. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if you feel unwell.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult or if you feel unwell.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable Liquid
Hazards from combustion products	Oxides of carbon, possible toxic fumes
Suitable Extinguishing media	Use foam, carbon dioxide or Dry Chemicals or water fog to extinguish flames.
Precautions for firefighters and special protective clothing	Wear full body protection and self-contained breathing apparatus.
HAZCHEM CODE	**3Z**

Section 6. Accidental Release Measures

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel.

Extinguish all sources of ignition. Spilt material should be absorbed into dry inert material such as sand, earth or sawdust and disposed by incineration by approved agent or local regulations. Adequate steps should be taken to prevent spillage reaching waterways and drains.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Do not handle until all safety precautions have been read and understood.
- Keep container tightly closed.
- Do not breathe fumes, gas, mist or vapours.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Wear protective clothing.
- Use personal protective equipment as required.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep cool and container closed.
- Keep out of reach of children and locked up.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

	TWA	**STEL**

Substance	ppm	mg/m³	ppm	mg/m³

Not ingredients have exposure limits.

Workplace Exposure Standard – Time Weighted Average (WES-TWA*).The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

Engineering Controls

Good ventilation should be sufficient in most conditions. If hot material is being used, local ventilation is necessary.

Personal Protection

Eyes	Wear safety goggles with side shields.
Hands and Skin	Wear chemical resistant gloves. Wear overalls and use barrier cream.
Respiratory	Avoid breathing vapour of dust by wearing AS1716 approved respirators.

Section 9 Physical and Chemical Properties

Appearance	Amber colour viscous liquid
Odour	Amine odour
Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	Not measured
Melting Point	Not applicable
Freezing Point	Not applicable
Flash Point	Not measured
Flammability	Not applicable
Upper and Lower Exposure Limits	Not applicable
Volatile Component	Not applicable
Vapour Density	Not applicable
Specific Gravity	1.07
Solubilities	Miscible in water
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Kinematic Viscosity	Not applicable
Particle Characteristics	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	None known.
Incompatible Materials	Avoid reaction with Resins.
Hazardous Decomposition Products	Oxides of carbon, possible toxic fumes

Section 11 Toxicological Information

Acute Effects:

Swallowed	Harmful if swallowed.
Dermal	Toxic in contact with skin.

Inhalation	Harmful if inhaled.
Eye	Causes serious eye damage.
Skin	Causes skin irritation. May cause an allergic reaction.

Chronic Effects:

Carcinogenicity	Not applicable
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Causes damage to organs through prolonged or repeated exposure.

Section 12. Ecotoxicological Information

New Zealand:
HSNO Classes: 9.1A = Very Toxic to aquatic life.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method: Place recovered product into an appropriate waste container for disposal through appropriate waste company or specialized landfill in accordance with local regulations. Ensure container is sealed and isolated away from ignition sources.

Precautions: Ensure waste container containing recovered product is labelled "Hazardous Waste – "Toxic, Extremely Ecotoxic". If triple rinsing container, add rinsate to waste container for disposal.

Disposal methods to avoid: Do not allow to enter waterways.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012 and Australian Dangerous Goods Code ADG7 and NOHSC:1008(2004)

Road and Rail Transport

UN No:	3082
Class-primary	9
Packing Group	II
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS LIQUID, N.O.S

Air Transport

UN No:	3082
Class-primary	9
Packing Group	II
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS LIQUID, N.O.S

Marine Transport

UN No:	3082
Class-primary	9
Packing Group	II

Section 15 Regulatory Information

This substance is hazardous according to:
New Zealand - The HSNO (Minimum Degrees of Hazard) Regulations 2001
Australia – Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)]

Poison Schedule: Schedule 5

New Zealand:
EPA Approval Code: Surface Coatings and Colourants (Toxic [6.1]) – HSR002675

HSNO Classification: 6.1C(dermal), 6.1D(oral,inh), 6.3A, 6.5B, 6.9B, 8.3A, 9.1A
HSNO Controls:
Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Yes- Any Qty
Location Certificate	Not required
Tracking Trigger Quantities	Not required as per Group Standard
Signage Trigger Quantities	100L
Emergency Response Plan	100L
Secondary Containment	100L
Restriction of Use	None

Section 16 Other Information

Glossary

EC50	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC50	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD50	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.
2. Australia – Approved Criteria for Classifying Hazardous Substances -[NOHSC:1008(2004)]
3. Safework Australia: Preparation of SDS sheets for hazardous chemicals (Code of Practice).

Disclaimer

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consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact the Australian manufacturer, if further information is required.

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