

Section 1. Identification of the material and the supplier

Product: FIBRAL LITE Glass Fibre Repair Paste
Product Code: FIBL/2, FIBL/3
Product Use: Polyester repair paste containing styrene

New Zealand Supplier: U-POL NZ Ltd
c/o Lindsay & Associates
Address: Unit H, 12 Amara Place
East Tamaki, Auckland

Telephone: 027 630 3691
Email: technical.department@u-pol.com

**Emergency Telephone: +64 980 10034
0800 764 766 (National Poison Centre)**

Australian Supplier: U-POL Australia PTY Ltd. Unit A
16 - 20 Cassola Place
Address: Penrith
NSW 2750
Australia

Telephone: 02 4731 2655
Email: technical.department@u-pol.com

Emergency Telephone: +61 290 372 994

Section 2. Hazards Identification

Australia NOHSC – Hazardous according to Safe Work Australia NOHSC 2011 National Code of Practice

New Zealand - This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Group Standard & EPA Approval Code: Surface Coatings and Colourants (Flammable, Toxic [6.7]) - HSR002669

Pictograms



Flammable



Irritant/ Toxic



Chronic



Ecotoxic

Signal Word: Warning

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
3.1C	H226	Flammable liquid and vapour.	Category 3
6.1D	H302	Harmful if swallowed.	Category 4
6.1D	H332	Harmful if inhaled.	Category 4
6.3A	H315	Causes skin irritation.	Category 2
6.4A	H319	Causes serious eye irritation.	Category 2A
6.6B	H341	Suspected of causing genetic defects.	Category 2
6.7B	H351	Suspected of causing cancer.	Category 2
6.8B	H361	Suspected of damaging fertility or the unborn child.	Category 2
6.9A	H372	Causes damage to organs through prolonged or repeated exposure	Category 1
9.1D	H401	Toxic to aquatic life.	Category 4
9.3B	H432	Toxic to terrestrial vertebrates.	

Prevention Code Prevention Statement

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, open flames or hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe fumes.
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.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing and eye protection.

Response Code Response Statement

P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
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.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use suitable extinguishing media for the surrounding fire should be used for extinction

Storage Code Storage Statement

P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code Disposal Statement

P501	Dispose of according to Local Regulations or Authorities
------	--

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Hydrated Magnesium Sulphate	20-40	14807-96-6
Styrene	10-30	100-42-5
PTE	1-10	10367-44-1
Isopentane	<1	78-78-4
Magnesium Hydroxide	<1	1309-42-8

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. Apply continuous irrigation with water for at least 15 minutes holding eyelids apart. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If a skin irritation occurs seek medical assistance.
If Swallowed	IF SWALLOWED: Do NOT induce vomiting. Rinse mouth. Consult a doctor.
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.

Section 5. Fire Fighting Measures

Hazard Type	Flammable
Hazards from decomposition products	In combustion emits toxic fumes of carbon dioxide / carbon monoxide
Suitable Extinguishing media	Carbon dioxide. Dry chemical powder. Alcohol or polymer foam.

Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
HAZCHEM CODE	2YE

Section 6. Accidental Release Measures

Refer to Section 8 of this SDS for PPE. Eliminate all sources of ignition. Evacuate all staff. Absorb into dry earth or sand. Dispose according to Local Regulations.

Section 7. Handling and Storage

Handling

- Keep out of reach of children.
- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, open flames or hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe fumes.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective gloves, protective clothing and eye protection.
- Use personal protective equipment as required.

Storage

- Store locked up.
- Store in a well-ventilated place. Keep cool.
- Keep container tightly closed.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Styrene	50	213	100	426
Talc		2(respirable dust)		

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

Ensure there is sufficient ventilation of the area.

Personal Protection

- Eyes:** Avoid contact with eyes. Use safety glasses or chemical splash goggles if splashes are possible. Avoid wearing contact lenses. Ensure an eye bath is at hand
- Skin:** Use nitrile gloves. Gloves should be checked for tears or holes before use.
- Respiratory:** Respiratory protective device with particle filter.

Section 9 Physical and Chemical Properties

Appearance	Yellow fibrous paste
Odour	Aromatic
Flash Point	32°C
Viscosity	Viscous
Solubility in Water	Insoluble in water and soluble in most organic solvents.
VOC	377
Specific Gravity	1.27 – 1.30

Section 10. Stability and Reactivity

Stability of Substance	Stable under recommended transport or storage conditions
Conditions to Avoid	Direct sunlight. Heat. Sources of ignition.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11 Toxicological Information

Acute Toxicity:
Mixture calculations for this product

Oral	= 1026mg/kg	= Hazardous
Inhalation	= 1.26 mg/L	= Hazardous

Eye The mixture is considered to be an eye irritant
Skin The mixture is considered to be a skin irritant

Chronic

Carcinogenicity Suspected of causing cancer.
Reproductive Suspected of damaging fertility or the unborn child.
Suspected of causing genetic defects.
Systemic May cause damage to organs through prolonged or repeated exposure

Section 12. Ecotoxicological Information

HSNO Classes: 9.1D = Toxic to aquatic life.
9.3B = Toxic to terrestrial vertebrates.

Styrene

FISH	96H LC ₅₀	4-10	mg/l
------	----------------------	------	------

Product Name: Fibril Light
Date of SDS: 2 May 2014

Issued by: Technical Compliance Consultants (NZ) Ltd
Tel: +64 9 475 5240

Do not allow to enter waterways.

Section 13. Disposal Considerations

Transfer to a suitable container and arrange for collection by specialised disposal company
Ensure waste container is labelled "Hazardous Waste – Flammable, Toxic"
Do not allow product to enter storm drains or sewer systems. Collect all spillage where possible.

Section 14 Transport Information

Classified as a Dangerous Good for transport in Australia; ADG 7
Classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Road and Rail Transport

UN No: 3269
Class-primary 3
Packing Group III
Proper Shipping Name: POLYESTER RESIN KIT

Air Transport

UN No: 3269
Class-primary 3
Packing Group III
Proper Shipping Name: POLYESTER RESIN KIT

Marine Transport

UN No: 3269
Class-primary 3
Packing Group III
Proper Shipping Name: POLYESTER RESIN KIT

Section 15 Regulatory Information

Australia:

Australia NOHSC – Hazardous according to Safe Work Australia NOHSC 2011 National Code of Practice

NOHSC Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].

Poison Schedule No: S5

New Zealand:

EPA Approval Code: Surface Coatings and Colourants (Flammable, Toxic [6.7]) - HSR002669

HSNO Classification: 3.1C, 6.1D(oral,inh), 6.3A, 6.4A, 6.6B, 6.7B, 6.8B, 6.9A, 9.1D, 9.3B

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	500L (>5L), 1500L (<5L); 250L open (3.1C)

Product Name: Fibril Light
Date of SDS: 2 May 2014

Issued by: Technical Compliance Consultants (NZ) Ltd
Tel: +64 9 475 5240

Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	1000L (3.1C)
Emergency Response Plan trigger Quantities	10 000L(3.1C)

Section 16	Other Information
-------------------	--------------------------

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.
2. PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS Code of Practice, December 2011, Safe Work Australia.

Disclaimer

This document has been issued by TCC (NZ) Ltd and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) Ltd have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made. Please contact the New Zealand distributor, U-Pol NZ Ltd, if further information is required.

Issue Date: 2 May 2014 Review Date: 2 May 2019