



FIBREGLASS FOR NURADECK WATERPROOFING

MATERIAL SAFETY DATA SHEET

COMPANY DETAILS

Company	Nuralite Waterproofing Ltd
Address	53a Victoria Street, Onehunga, Auckland
Telephone	09 579 2046
Facsimile	09 579 5136
Email	info@nuralite.co.nz

IDENTIFICATION

Product Name	Fibreglass for Nuradeck waterproofing chopped strand matting
Chemical Name	Low Alkali, Borosilicate Glass Filament with an organic polymer size
Formula	Not applicable. CAS No> 6599-17-3
Molecular Weight	Not applicable
Synonyms Fibre	Fibreglass, Glass Fibre, Glass Filament, Reinforced
Hazard Glass	Non-combustible solid.

PHYSICAL DATA

Appearance and Odour	White fibres (filaments) with virtually no odour.
Boiling Point	Not applicable.
Melting Point	(greater than) 700deg.C
Vapour Pressure	Non volatile.
Specific Gravity (H 20=1)	2.54
Vapour Density (Air=1)	Not applicable

Percent Volatile by Volume	Not applicable.
Solubility in Water	Below 0.01%
Evaporation Rate (n butyl acerate=100)	Not applicable

FIRE & EXPLOSION HAZARD DATA

Flash Point	May emit smoke briefly between 120deg.C-180deg.C but is unlikely to flash
Flammable limits in air % by volume	Not applicable, will not burn
Extinguishing Media	Water (for the packaging materials)
Special fire fighting procedures	None

REACTIVITY DATA

Stable, non-reactive & virtually inert

HEALTH HAZARD DATA

Exposure Standard	2mg/m3 is proposed by Worksafe to protect against irritation effects to the upper respiratory track.(NOHSC 1995). These reinforcement fibres have a filament diameter greater than 10 microns and are not classified as respirable
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EFFECTS OF EXPOSURE

Eye (Contact)	Dust or filaments can cause irritation
Skin (Contact & Absorption)	Can irritate. This is largely confined to cutting, trimming, & grinding operations & often diminishes with repeated exposure
Inhalation (Breathing)	The fibres are not reparable. Dust masks may be helpful in reducing upper respiratory tract irritation where high levels of airborne fibres are present
Ingestion	Non toxic. Extensive studies have revealed no serious effects

OTHER HEALTH HAZARDS

There is no credible evidence of other health problems. Exposure to airborne fibre/filament during operations such as chopped strand application, grinding, trimming, & sawing should be kept as low as is reasonably practicable to avoid irritation effects.

FIRST AID

Eye (Contact)	Wash with running water using eye bath or wash bottle. If irritation persists seek medical attention
Skin (Contact)	Wash using warm water & mild soap, sluicing filaments/fibres off skin. Do not scrub hard, or use creams or ointments except under medical direction
Inhalation (Breathing)	No treatment. See comments above on wearing of dust masks & reducing exposures & advice below on masks
Ingestion (Swallowing)	Rinse mouth repeatedly with water

STORAGE & SPILLAGE PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Dampen with water & sweep up

WASTE DISPOSAL METHOD

Contain in plastic garbage bags. Dispose of as normal waste, subject to conforming to local legislation

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE

Store in a dry place. No other precautions necessary

PRECAUTIONS FOR USE

SPECIAL PROTECTION INFORMATION

Work clothing should be worn to minimise fibrous glass contact with skin, especially neck, arms & maxillae. Clothing should be loose at the waist & neck to lessen chafing. Protective gloves may be useful to avoid skin irritation.

Respiratory Protection

When handling rovings or yarn in quantity, a simple dust mask may be useful in preventing any nose or throat irritation. Disposable masks such as 3M8500 or, for better protection, 3M8710 or Moldex 2200 or equivalents may be appropriate.

When using chemicals, solvents, or any other volatile agents in processing of yarn or rovings into finished product, the respiratory protection & ventilation is determined by the need for protection against these agents. Where very high levels of airborne fibre are generated, positive pressure respirators with full face masks may provide more satisfactory respiratory protection & protection for eyes & skin. This type of equipment can provide protection against volatile organic chemicals. Advice should be sought from competent authorities.

Ventilation

Depending on the nature of the operation, with the objective of extracting any airborne fibre as close as possible to the point where it is generated by using local suction ventilation e.g. elephant-trunk types & providing general extraction ventilation in process areas e.g. trim shops. Engineering advice on ventilation is advisable where large amounts of airborne fibre could be generated.

Eye Protection

Appropriate eye protection e.g. goggles, should be worn where there is likelihood that airborne filament/fibres may contact eyes.



NURADECK GEL

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HAZARDS IDENTIFICATION

No hazards identified in the normal use of the product

IDENTIFICATION

Chemical Name	N/A
Hazchem Code	N/A
Shipping Name	Water Based Resin Gel
Dangerous Goods Class	N/A
Subsidiary Risk	N/A
Uses	Water Based Emulsion Surface Protection

PHYSICAL DATA

Appearance	White or coloured viscous liquid
Odour	Sweet/slight ammonia
pH	8-10
Boiling point	100deg.C
Flash point	N/A (Water based)
Flammability Limits	N/A (Water based)
Solubility in water	Infinite

COMPONENT**WEIGHT**

Inorganic pigments & fillers	Medium 10-60%
Acrylic Polymer	Medium 10-60%
2,2,4 TRIMETHYL 1-3 PENTANEDIOL	
MONOISOBUTYRATE COALESCENT	Low <10%
ISOTHIAZALONE PRESERVATIVE	Low < 1%
ALKYL ETHER SURFACTANT	Low < 1%
HYDROCARBON WAX	Low < 1%
AMMONIA	Trace
WATER	To 100%

HEALTH HAZARD DATA**FIRST AID**

Swallowed	Drink plenty of water seek medical attention
Eyes	Flush open eye copiously with clean water for minimum 15 minutes, seek medical attention
Skin	Wash clean with soap/water. Remove affected clothing and launder before re-use
Inhaled	Move to fresh air

HEALTH EFFECTS

Swallowed	No serious poison hazard known
Eye Contact	Moderate irritation and inflammation
Skin Contact	Slight irritation
Inhaled	Slight nausea/dizziness at extreme concentration only

IN ALL CASES IF SYMPTOMS ARE SEVERE, PERSIST, OR CAUSE CONCERN, OBTAIN IMMEDIATE MEDICAL ADVICE.

SAFE HANDLING INFORMATION**FIRE & EXPLOSION DATA**

Flammability	Not flammable.
Decomposition	Decomposition products carbon & nitrogen oxides
Additional	No additional fire/explosion hazards known

WASTE DISPOSAL METHOD

Dispose of in accordance with national and local waste regulations

PRECAUTIONS FOR USE

PERSONAL PROTECTION

Eyes	Safety goggles. Ensure eyewash facilities are readily available
Skin	Normal work clothing & footwear. Wear PVC coated gloves while stirring or decanting. Avoid prolonged skin contact
Respiratory	Wear approved respirator if spraying in confined spaces
Flammability	Not flammable

SAFE HANDLING INFORMATION

Storage	No hazard
Transport	No hazard
Spills (Minor)	Absorb with sand or earth
Spills (Major):	Dyke or otherwise contain spillage. Absorb residues in sand or earth

WORK PLACE EXPOSURE LIMITS

No specific exposure limit applicable. In general ensure adequate ventilation & do not use in confined spaces



NURACOLOUR

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Shipping Name	Water Based Resin Gel
Dangerous Goods Class	N/A
Subsidiary Risk	N/A
Uses	Water Based Emulsion Surface Dressing for NURAPLY 3P roofs

PHYSICAL DATA

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Flash point	N/A (Water based)
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