

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

Product Identifier:

Product name	CoverSeal
Synonyms	CVRSL
Proper shipping name	Not Applicable.
Other means of identification	n/a

Relevant identified uses of the substance/mixture:

Relevant identified use	Concrete sealer.
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Details of manufacturer/supplier:

Company name	Peter Fell Ltd
Address	81 Patiki Rd, Avondale, Auckland 1026, New Zealand
Telephone	+64 9 828 6460
Website	www.peterfell.co.nz
e-mail	info@peterfell.co.nz

Emergency telephone number:

Association/Organisation	National Poison Centre
Telephone	0800 764 766
Website	www.poisons.co.nz

SECTION 2: HAZARD IDENTIFICATION

Classification of the substance/mixture:

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Not regulated for transport of Dangerous Goods.

GHS Classification	Flammable Liquids Category 4.
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Label Elements:

Hazard pictogram(s)	Not applicable.
Signal Word	Not applicable.

Hazard statement(s):

H227	Combustible liquid
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Precautionary Statement(s) Prevention:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves and protective clothing.

Precautionary Statement(s) Responses:

P370+P378	In case of fire: Use water spray/fog to extinguish.
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Precautionary Statement(s) Storage:

P403	Store in well-ventilated place.
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Precautionary Statement(s) Disposal:

P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.
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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances:

See section below for composition of Mixtures.

Mixtures:

Name	CAS Number	Proportion
Diethylene glycol monoethyl ether	111-90-0	1 – 5%
Ingredients not contributing to classification	Not available	balance

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: FIRST AID

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

Description of first aid measures:

Eye Contact	- Wash out immediately with fresh running water.
	- If irritation continues, seek medical attention.
	- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	- Flush skin and hair with running water (and soap if available).
	- Seek medical attention in event of irritation.
Inhalation	- If fumes, aerosols or combustion products are inhaled remove from contaminated areas.
	- Other measures are usually unnecessary.
Ingestion	- Immediately give a glass of water.
	- First aid is generally not required. In doubt, contact Poison Information Centre or doctor.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

Special hazards arising from the substance or mixture

Fire Incompatibility	- None known.
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Advice for firefighters

Fire Fighting	- Use water delivered as a fine spray to control fire and cool adjacent area.
	- Do not approach containers suspected to be hot.
	- Cool fire exposed containers with water spray from a protected location.
	- If safe to do so, remove containers from path of fire.
	- Equipment should be thoroughly decontaminated after use.
Fire/Explosion Hazard	- Not combustible.
	- Not considered a significant fire risk, however containers may burn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Methods and material for containment and clean up.

Minor Spills	- Clean up spills immediately.
	- Avoid breathing vapours and contact with skin and eyes.
	- Control personal contact with the substance, by using protective equipment.
	- Contain and absorb spill with sand, earth, inert material or vermiculite.
	- Place in a suitable, labelled container for waste disposal.
Major Spills	- Absorb or contain spill with sand, earth, inert material or vermiculite.
	- If contamination of drains or waterways occurs, advise emergency services.
	- After clean up operations, decontaminate and launder all protective clothing and equipment before storing or re-using.

7. STORAGE AND HANDLING

Precautions for safe handling.

Safe handling	- Limit all unnecessary personal contact.
	- Wear protective clothing when risk of exposure occurs
	- Use in well-ventilated area
	- Avoid contact with incompatible materials.
	- When handling, do not eat, drink or smoke.
	- Keep containers securely sealed when not in use.
	- Avoid physical damage to containers.
	- Always wash hands with soap and water after handling.
	- Work clothes should be laundered separately.
	- Use good occupational practices.
Other information	Not applicable.

Conditions for safe storage, including any incompatibilities

Suitable container	- Packing as supplied or recommended by manufacturer. - Check that containers are clearly labelled and free from leaks.
Storage incompatibilities	- none known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Emergency Limits:

<i>Ingredient</i>	<i>TEEL 1</i>	<i>TEEL 2</i>	<i>TEEL 3</i>
Diethylene glycol monoethyl ether	75 ppm	100 ppm	450 ppm

<i>Ingredient</i>	<i>Original IDLH</i>	<i>Revised IDLH</i>
Diethylene glycol monoethyl ether	n/a	n/a

Exposure Controls

Appropriate engineering controls	- Not Applicable
Personal Protection	
Eye and Face Protection	- Safety glasses with side shields. - Chemical goggles.
Skin Protection	- See Hand protection below
Hand/feet Protection	- Wear chemical protective gloves. e.g. light-weight rubber gloves - Wear safety footwear or safety gumboots e.g. rubber
Body Protection	- Overalls
Other Protection	n/a

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White liquid	Relative Density to water (water =1)	1.03
Physical State	Liquid	Auto-Ignition Temperature (°C)	Not Applicable
Odour	Slight plastic	Decomposition Temperature (°C)	Not Available
pH	8.5 - 9.5	Viscosity (cSt)	Not Available
Melting Point (°C)	Not Applicable	Molecular weight (g/mol)	Not Available
Freezing Point (°C)	0	Taste	Not Available
Boiling Point (°C)	100	Explosive Properties	Not Available
Flash Point (°C)	Not Applicable	Oxidising Properties	Not Available
Evaporation Rate	Not Available	Volatile Component (%)	Not Available
Explosive Properties	Not Available	VOC g/L	Not Available
Upper Explosive Limit (%)	Not Applicable	Solubility in water (g/L)	Miscible
Lower Explosive Limit (%)	Not Applicable	Vapour Density in Air (Air = 1)	Not Applicable

10. STABILITY AND REACTIVITY

Reactivity	- See Section 7.
Chemical Stability	- Product is considered stable.
Possibility of Hazardous Reactions	- See Section 7.
Conditions to Avoid	- See Section 7.
Incompatible Materials	- See Section 7.
Hazardous Decomposition Products	- See Section 5.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.
Ingestion	The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. The material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g liver, kidney) damage is evident. Present definitions of harmful ortoxic substances are generally based on doses producing mortality rather than those producing morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.
Skin Contact	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.
Eye	Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).
Chronic	Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems.

Toxicity:

Material	Toxicity	Irritation
Surface Conditioner	Not Available	Not Available
Diethylene glycol monoethyl ether	Dermal (rabbit) LD50: 8,500 mg/kg ^[2]	Eye (human): 125 mg mild
	Inhalation (mouse) LC50: >5.24 mg/kg ^[2]	Eye (rabbit): 500 mg moderate
	Oral (rat) LD50: 5,500 mg/kg ^[2]	Skin (rabbit): 500 mg/24 hr - mild
Legend:	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances	

12. ECOLOGICAL INFORMATION

Toxicity

	Endpoint	Test Duration	Species	Value	Source
CoverSeal	n/a	n/a	n/a	n/a	n/a
Diethylene glycol monoethyl ether	NOEC (ECx)	168 h	Crustacea	7.38 mg/L	2
	EC50	72 h	Algae or other aquatic plants	14,861 mg/L	2
	EC50	48 h	Crustacea	3,996.85 mg/L	4
	LC50	96 h	Fish	4,740 – 8,080 mg/L	4

Legend: Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's msds. Unless otherwise specified data extracted from RTECS- Register of Toxic Effect of chemical Substances

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Product/Packaging Disposal	- Ensure that the disposal of material is carried out in accordance with Hazardous Substances (Disposal) Notice 2017.
	- Containers may still present a chemical hazard/ danger when empty
	- Return to supplier for reuse/ recycling if possible.
	- If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.
	- Where possible retain label warnings and MSDS and observe all notices pertaining to the product.

14. TRANSPORT INFORMATION

Label Requirements

Label Requirements	No
HAZCHEM	Not Applicable

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

This substance can be managed under the controls specified in the Transfer Notice or alternatively, it may be managed using the conditions specified in an applicable Group Standard.

HSR Number	Group Standard
HSR002490	Additives Process Chemicals and Raw Materials Combustible Group Standard 2020

Refer to Section 8 for any applicable tolerable exposure limits or Section 12 for Environmental Exposure limits.

16. OTHER INFORMATION

SDS Created	April 2025
SDS Updated	April 2025

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

PC—TWA:	Permissible Concentration-Time Weighted Average
PC—STEL:	Permissible Concentration-Short Term Exposure Limit
IARC:	International Agency for Research on Cancer
ACGIH:	American Conference of Governmental Industrial Hygienists
STEL:	Short Term Exposure Limit
TEEL:	Temporary Emergency Exposure Limit.
IDLH:	Immediately Dangerous to Life or Health Concentrations
ES:	Exposure Standard
OSF:	Odour Safety Factor
NOAEL :	No Observed Adverse Effect Level
LOAEL:	Lowest Observed Adverse Effect Level
TLV:	Threshold Limit Value
LOD:	Limit Of Detection
OTV:	Odour Threshold Value
BCF:	Bioconcentration Factors
BEI:	Biological Exposure Index
AIIC:	Australian Inventory of Industrial Chemicals
DSL:	Domestic Substances List
NDSL:	Non-Domestic Substances List
IECSC:	Inventory of Existing Chemical Substance in China
EINECS:	European INventory of Existing Commercial chemical Substances
ELINCS:	European List of Notified Chemical Substances
ENCS:	Existing and New Chemical Substances Inventory
NZIoC:	New Zealand Inventory of Chemicals
PICCS:	Philippine Inventory of Chemicals and Chemical Substances
TSCA:	Toxic Substances Control Act
TCSI:	Taiwan Chemical Substance Inventory
NCI:	National Chemical Inventory