

**1. Product and Company Identification**

- 1.1 PRODUCT NAME:** PERMACOAT
- 1.2 USE OF PRODUCT** High build flexible for application to concrete or metal roofing substrates as part of the Permacoat/Permaglaze Roof Coating System
- 1.3 SUPPLIER:** Equus Industries Ltd  
Sheffield Street  
Riverlands Industrial Estate  
Blenheim, Marlborough, New Zealand  
Telephone: +64 3 578 0214  
Fax: +64 3 5780919  
Email: [admin@equus.co.nz](mailto:admin@equus.co.nz)
- 1.4 EMERGENCY CONTACT:** **National Poison Centre**  
**Telephone: 0800 764 766**

Information about Safety Data Sheet: Telephone: +64 3 578 0214 8:00am – 6:00pm Mon – Fri

- 1.5 Date of Preparation:** 10 April 2021

**2. Hazards Identification**

- 2.1 Classification:**  
HSNO Status: Classified as hazardous according to New Zealand Hazardous Substances (minimum degrees of hazard) Regulations 2077
- 2.2 DG Status:**  
Not classified as Dangerous Good under NZS 5433:2012 Transport of Dangerous Goods on Land
- 2.3 Hazard Classification**
- 2.3.1 Class and GHS Category:**
- |                         |       |
|-------------------------|-------|
| Skin Sensitisation      | Cat 1 |
| Reproductive Toxicity   | Cat 2 |
| Aquatic Toxicity(acute) | Cat 3 |
- 2.3.2 HSNO Category:**
- |      |   |
|------|---|
| 6.5B | May cause an allergic skin reaction                 |
| 6.8B | Suspected of damaging fertility or the unborn child |
| 9.1D | Harmful to aquatic life                             |
- 2.4 Pictograms:**



**Signal Word: Warning**



**2.5 Prevention Statements:**

- P202 Do not handle until all safety precautions have been read and understood  
P261 Avoid breathing mist /spray  
P273 Avoid release to the environment  
P280 Wear protective gloves  
P281 Use personal protective equipment as required

**2.6 Response Statements:**

- 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  
P308 + P313 IF exposed or concerned: Get medical advice/ attention

**2.7 Storage Statement:**

- P405 Store locked up

**3. Composition/Information on Ingredients**

**3.1 Chemical Characterization (Mixture):**

**3.2 Hazardous Component:**

CAS NO.	COMPONENT	CONCENTRATION (%WEIGHT)
25265-77-4	2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	<0.8
34590-94-8	Dipropylene glycol monomethyl ether	1.1
-	Mixed biocide preparation (Diuron/Carbendazim/2-octyl-2H-isothiazol-3-one	<0.2
-	Non-Hazardous Ingredients	Balance

**4. First Aid Measures**

**4.1 After Inhalation:**

Remove person to fresh air.

**4.2 After Skin Contact:**

Wash with water and soap as a precaution. If skin irritation develops, consult a doctor.

**4.3 After Eye Contact:**

Immediately rinse with plenty of water for at least 10 minutes, while eyelid open. Remove contact lenses, if present and easy to do. If eye irritation persists, consult a doctor.

**4.4 After Ingestion:**

Drink 1 or 2 glasses of water. Consult a doctor if necessary. Never give anything by mouth to an unconscious person.

**5. Fire Fighting Measures**

**5.1 Suitable Extinguishing Media:**

Use extinguishing media appropriate for surrounding fire.

**5.2 Protective Equipment:**

Wear self contained breathing apparatus and protective suit.

**5.3 Specific Hazards:**

Material can splatter above 100°C. Dried product can burn

**5.4 Combustion Products:**

Carbon monoxide, carbon dioxide, toxic fumes, and smoke.



## 6. Accidental Release Measures

### 6.1 Preliminary Action and Precautions:

- 6.1.1 Use personal protective equipment.
- 6.1.2 Keep people away from and upwind of spill/leak.
- 6.1.3 Material can create slippery conditions.
- 6.1.4 Contain spills immediately with inert materials (eg. sand, earth etc.)
- 6.1.5 Transfer liquids and solid diking material to suitable containers for recovery or disposal.
- 6.1.6 Keep spills and cleaning run off from entering sewers, drains and open bodies of water.

## 7. Handling and Storage

### 7.1 Handling:

- 7.1.1 Avoid contact with eyes, skin and clothing.
- 7.1.2 Wash thoroughly after handling.
- 7.1.3 Keep containers tightly closed when not in use.
- 7.1.4 Do not breathe vapours, mist or gas.

### 7.2 Storage:

- 7.2.1 Store in a cool well-ventilated space.
- 7.2.2 Keep containers tightly closed at all times.

## 8. Exposure Controls and Personal Protection Equipment

### 8.1 Exposure Limits:

No values assigned for this specific material by New Zealand Workplace Health and Safety Authority.

Substance	CAS. Number	Regulation	Limits	
			ppm	mg/m <sup>3</sup>
Diuron	330-54-1	WES/TWA	-	10
Dipropylene glycol monomethyl ether	34590-94-8	ACGIH/TWA	100	-
		ACGIH/STEL	150	-

### 8.2 Exposure Controls:

#### 8.2.1 Exposure Controls in the Work Place:

Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general, ventilation is inadequate.

#### 8.2.2 Personal Protection Equipment:

##### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to Australia/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.



#### Eye Protection

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australia/New Zealand Standard AS/NZS 1337 – Eye Protectors for Industrial Applications.

#### Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. References should be made to AS/NZS 2161.1: Occupational protective gloves – Selection, use and maintenance.

#### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial Clothing

## 9. Physical and Chemical Properties

### 9.1 General Information:

Appearance	Liquid
Colour	Various colours
Odour	Acrylic
Odour Threshold	Not established
PH	9.0 -10.0
Melting point/ freezing point	<0°C
Initial Boiling Point/ Range	>100°C
Flash Point	Not established
Evaporation rate	Not established
Flammability (solid,gas)	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not established
Vapour density	Not established
Relative density	1.31
Water Solubility (ies)	Dilutable/partially soluble
Water solubility of ingredients	Dipropylene glycol monomethyl ether 100% @25°C 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate 0.5-3.79g/l @25°C
Partition coefficient:n-octanol/water	Not established
Auto-ignition temperature	Not applicable
Decomposition temperature	Not established
Viscosity	Brookfield 50rpm, 9,400-14,100 cps @23°C

## 10. Stability and Reaction

### 10.1 General Information:

This product is stable, and no hazardous reactions are known.

### 10.2 Conditions to Avoid:

There are no known conditions which should be avoided.

### 10.3 Material to Avoid:

There are no known materials which are incompatible with this product.

### 10.4 Hazardous Decomposition Products:

None expected when material properly handled and stored. For thermal decomposition see section 5.



## 11. Toxicological Information

### 11.1 General Information:

No specific data is available for this material.

### 11.2 Skin Contact:

Prolonged or consistent skin contact may result in allergic dermatitis. May also cause sensitisation.

### 11.3 Eye Contact:

May cause slight irritation including redness and tear formation.

### 11.4 Ingestion:

May cause gastrointestinal discomfort. Symptoms may include nausea, vomiting, lethargy or diarrhoea.

### 11.5 Inhalation:

Inhalation may cause a slight irritation to the respiratory tract.

## 12. Ecological Information

### 12.1 Environment Protection:

Prevent from entering sewers, drains and waterways.

### 12.2 Ecotoxicity:

No product specific data available.

### 12.3 Persistence and degradability:

No product specific data available.

### 12.4 Bioaccumulative Potential:

No product specific data available.

## 13. Disposal Consideration

### 13.1 Material:

Dispose of according to regulation by incineration in a special waste incinerator or landfill at a permitted facility in accordance with local/national regulations.

## 14. Transport Information

14.1 Not regulated under NZS 5433 for land transport

14.2 **Sea Transport:** (IMO/IMDG): Not regulated.

14.3 **Air Transport:** (IATA/ICAO): Not regulated.

## 15. Regulatory Information

### 15.1 HSNO Approval:

Approved Code: HSR 002670  
HSNO Group Standard: Surface Coatings and Colourants (Subsidiary Hazard)

### 15.2 HSNO Controls:

Approved Handler Not Required



## 16. Other Information

### 16.1 Hazard Classifications:

- 6.5B Substances that are contact sensitisers
- 6.8B Substances that are suspected human reproductive or developmental toxicants
- 9.1D Substances that are slightly harmful to the aquatic environment or otherwise designed for biocidal actions

### 16.2 Abbreviations/Terminology

- HSNO Hazardous substances and New Organisms Act
- CAS Chemical Abstract Service
- WES Workplace Exposure Standard (Worksafe NZ)
- TWA Time weighted average exposure level designed to protect from the effects of long-term exposure.
- STEL Short-term Exposure Level (15 minutes)

### 16.3 Issue Information:

- Date of Preparation: 10 April 2021
- Reasons: Update and format change
- Replaces: July 2007

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