

Date of issue: 10.06.21

NZ Safety Data Sheet

### 1. Identification of the Substance/Mixture and Supplier.

Product Names:	Nuraply TPO Membrane Smooth, Nuraply TPO Fleece, Nuraply TPO Detail, Nuraply TPO Walkway
Uses:	Articles for roofing
Supplier:	Nuralite Waterproofing Ltd 60D Leon Leicester Avenue Mt Wellington Auckland 1060 New Zealand.
Telephone:	+64 9 579 2046
Web:	www.nuralite.co.nz
Emergency Telephone:	027 5350899 (General Manager) – 24 hrs
National Poisons Centre Tel:	0800 POISON (0800 764766) – 24 hrs

### 2. Hazards Identification.

<b>HSNO Status:</b>	Not Classified as hazardous according to the criteria of HSNO.
<b>DG Status:</b>	Not classified as Dangerous Goods according to NZS 5433.

### 3. Composition/Information on Ingredients.

Finished plastic articles – Non-hazardous

Chemical Entity	CAS Number	Proportion %w/w
Calcium Carbonate	1317-65-3	25-55
Polyolefinic Polymers	Not available	35-40
Titanium Dioxide	13463-67-7	<10
Magnesium Hydroxide	1309-42-8	<5
Carbon Black (encapsulated) (grey coloured products only)	1333-86-4	<3
Colour Concentrate (encapsulated)	Not available	1-3
Lead Compounds	Not available	<0.01
Chromium Compounds	Not available	<0.01
Zinc	7440-66-6	<0.01
Crystalline Silica (encapsulated)	14808-60-7	Trace

#### Component Information


Pigments, additives, and stabilizers are fully encapsulated and are not expected to cause any hazardous conditions when processed in accordance with normal roofing practices.

### 4. First Aid Measures.

<b>Inhaled</b>	Remove to fresh air. If symptoms persist contact a physician.
<b>Eye Contact</b>	Flush eyes with large amounts of water until irritation subsides. If irritation persists, seek medical attention.
<b>Skin Contact</b>	Wash exposed skin with soap and water. If irritation develops or persists, seek medical attention.
<b>Ingestion</b>	Product is not intended to be ingested or eaten. If the material is swallowed, get immediate medical advice/attention. Do not induce vomiting.

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<b>5. Fire-Fighting Measures.</b>			
<b>Suitable extinguishing media</b>	Carbon dioxide (CO <sub>2</sub> ), dry chemical, foam.		
<b>Hazards from the substance</b>	There is no potential for spontaneous fire or explosion. If exposed to fire, product may melt and drops of molten product may cause burns.		
<b>Hazardous combustion products</b>	Decomposition products may include: Irritating and noxious gases.		
<b>Special precautions for fire-fighters</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.		
<b>Special protective equipment for fire fighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.		
<b>6. Accidental Release Measures.</b>			
<b>Clean-Up Procedures</b>	Pick up large pieces. Vacuum dusts. If sweeping is necessary, use a dust suppressant such as water. Do not dry sweep dust accumulation. These procedures will help to minimize potential exposures.		
<b>7. Handling and Storage.</b>			
<b>Handling</b>	Use protective equipment as described in Section 8 of this safety data sheet when handling uncontained material. Handle in accordance with good industrial hygiene and safety practices.		
<b>Storage</b>	Warehouse storage should be in accordance with package directions, if any. Material should be kept clean, dry, and in original packaging.		
<b>8. Exposure Control/Personal Protection</b>			
<b>Exposure Standards</b>			
<b>Product/Ingredient</b>	<b>WES/TWA</b>	<b>WES/STEL</b>	<b>Reference</b>
Calcium Carbonate	10mg/m <sup>3</sup>	-	NZ-WES
Carbon Black	3mg/m <sup>3</sup>	-	NZ-WES
Titanium Dioxide	10mg/m <sup>3</sup>	-	NZ-WES
Crystalline Silica	0.05mg/m <sup>3</sup>	-	NZ-WES
<b>Personal Protection</b>			
<b>Respiratory</b>	Wear a dust respirator if dust is generated.		
<b>Eyes</b>	Wear safety glasses.		
<b>Hands</b>	Wear leather or cotton gloves		
<b>Other</b>	Wear overalls or dust coat.		

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### 9. Physical and Chemical Properties

PROPERTY	SPECIFICATION
Physical state	Solid composite plastic structure
Colour	White, grey or tan
Odour	No odour
pH	Not applicable
Boiling Pt	Not determined
Flash Pt	Not determined
Melting Pt	Not determined
Explosive properties	Not applicable
Vapour pressure	Not applicable
Density	Not determined
Water Solubility	Not determined
Viscosity	Not applicable
Ignition temperature	Not determined

### 10. Stability and Reactivity

<b>Stability</b>	These products are not reactive.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	Avoid open flames and excessive temperatures.
<b>Incompatible materials</b>	Strong acids, strong bases, oxidising agents, extreme heat.
<b>Hazardous decomposition products</b>	Irritating and/or toxic fumes and gases may be released during a fire. Upon decomposition, this product emits carbon monoxide, carbon dioxide, and/or low molecular weight hydrocarbons.

### 11. Toxicological Information

<b>Health Effects</b> (data supplied by manufacturer)	
Acute Oral Toxicity	Not Classified
Acute Dermal Toxicity	Not Classified
Acute Inhalation Toxicity	Not Classified
Acute Aspiration Toxicity	Not Classified
Skin Irritancy/Corrosion	Not Classified
Eye Irritancy/Corrosion	Not Classified
Respiratory Sensitisation	Not Classified
Skin Sensitisation	Not Classified
Mutagenic	Not Classified
Carcinogenic	Not Classified
Reproductive/Development Toxicity	Not Classified
STOT-SE	Not Classified
STOT-RE	Not Classified

Heating this product may release harmful vapours. Excessive inhalation of processing vapours from this product may be harmful to the respiratory tract.

<b>Inhalation</b>	Thermal processing or heating of this product may produce vapours or fumes that may cause irritation.
<b>Skin</b>	Not expected under normal conditions of use.
<b>Eyes</b>	Thermal processing or heating of this product may produce vapours or fumes that may cause irritation
<b>Primary Routes of Entry (Exposure)</b>	Inhalation, skin, and eye contact.



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### 12. Ecological Information

This product is not classified as Ecotoxic according to the criteria of HSNO.

Toxicity: Data not available

Persistence & Degradability: Data not available.

Mobility: Data not available.

Bioaccumulative Potential: Data not available

### 13. Disposal Considerations.

Dispose of in accordance with local regulations.

### 14. Transportation Information.

Not regulated for transport

### 15. Regulatory Information.

Not Classified as hazardous according to the criteria of HSNO.

### 16. Other Information.

HSNO = Hazardous Substances and New Organisms Act.

NZ WES = New Zealand Work Exposure Standard

TWA = Time Weighted Average (8 hours)

STEL = Short Term Exposure Limit

Date of SDS Preparation: 10 June 2021

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.