

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **POWAFLEX**  
 Product Use: Exterior plasterwork. Coarse Mesh Coat is a cementitious base coat plaster designed as part of a complete system to reinforce polystyrene substrates.  
 Restriction of Use: Refer to Section 15  
 New Zealand Supplier: **Specialized Construction Products Ltd**  
 Address: 79 Porana Road  
 Glenfield  
 Auckland  
 Telephone: +64 9 414 4499  
 Fax Number: +64 9 414 4489  
 Emergency Telephone: **0800 764 766 (National Poison Centre)**  
 Date of SDS Preparation: 27 August 2018

### Section 2. Hazards Identification

**This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017**

**EPA Approval No: Construction Products (subsidiary) – HSR002544**

#### Pictograms



Irritant



Corrosive



Ecotoxic

Signal Word: **DANGER**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.1E(Resp)	H335	May cause respiratory irritation.	Category 3
6.3A	H315	Causes skin irritation.	Category 2
6.5B	H317	May cause an allergic skin reaction.	Category 1
8.3A	H318	Causes serious eye damage.	Category 1
9.1B	H411	Toxic to aquatic life with long lasting effects.	Aquatic Chronic 2

Prevention Code	Prevention Statement
P102	Keep out of reach of children.

P103	Read label before use.
P261	Avoid breathing dusts.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P362	Take off contaminated clothing and wash before re-use.
P391	Collect spillage.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
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.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

### Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Vinyl acetate and ethylene copolymer	5 – 10	108-05-4
White Cement	10 – 15	65997-15-1
Calcium Hydroxide	< 1	1305-62-0
Sand	40 – 50	--
Calcium Carbonate	30 – 40	1317-65-3
Modified Methylhydroxyethylcellulose	< 1	9032-42-2
Zinc Stearate	< 1	557-05-1
Polyethylene Fibre	< 1	9002-88-4

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
If on Skin	Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs: get medical advice/attention.
If Swallowed	Rinse mouth. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.
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 or if you feel unwell.

### Most important symptoms and effects, both acute and delayed

Symptoms:

**Inhalation:** Can irritate the upper respiratory system.

**Ingestion:** Product hardens when wetted and may cause obstruction or swelling and burning of the respiratory and digestive systems.

**Eye Contact:** Direct contact, either as a powder or wet paste, may cause irritation or burning due to alkaline nature.

**Skin Contact:** Can dry skin and cause burns.

**Chronic:**

Dusts can cause inflammation to the lungs, nose, and cornea. Sensitive persons may develop allergic dermatitis. When wet the plaster is alkaline and may cause burns. Product contains Silica which IARC lists as a lung cancer hazard.

## Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Non Flammable
<b>Hazards from products</b>	Contains Calcium Carbonate which may decompose to Calcium Oxide in a fire and then react with water to form a caustic solution.
<b>Suitable Extinguishing media</b>	Dry chemicals, foam, or water may be used to extinguish a fire in an area where Coarse Mesh Coat is located.
<b>Precautions for firefighters and special protective clothing</b>	No special fire-fighting procedures are required.
<b>HAZCHEM CODE</b>	<b>1Z</b>

## Section 6. Accidental Release Measures

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel. Use dry clean up procedures that do not disperse dust into the air. Avoid breathing dust. Wet product may be cleaned up with water. Dispose according to Local Regulations.

## Section 7. Handling and Storage

### Precautions for Handling:

- Keep out of reach of children.
- Read label before use.
- Avoid breathing dusts.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing.

### Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- Store below 40 Centigrade in a dry area, preferably off the floor, on timber dunnage or a timber pallet.
- Rotate stock to ensure the oldest is used first. Stock older than six months should be discarded.

## Section 8 Exposure Controls / Personal Protection

## WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Vinyl acetate [108-05-4]	10	35	20	70
Cement (Portland cement) [65997-15-1]		10		
Calcium hydroxide [1305-62-0]		5		
Silicon Dioxide		0.1 mg/m <sup>3</sup> 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. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

### Engineering Controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid breathing dust.

### Personal Protection Equipment

<b>Eyes</b>	When mixing or using product safety goggles complying with NZS 1716:1994 are recommended.
<b>Hands and skin</b>	Impervious, abrasion resistant gloves, boots, and protective clothing are required to protect the skin from prolonged contact with product. The use of barrier creams for exposed skin should be considered. After working, wash skin well with soap and water. Ensure there is no build-up of product in protective clothing.
<b>Respiratory</b>	The use of appropriate dust masks, complying with NZS 1716:1994, are recommended when mixing Coarse Mesh Coat.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Powder
<b>Colour</b>	Off White
<b>Odour</b>	Sweet Odour
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Non Flammable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Relative Density</b>	Not available
<b>Water Solubility</b>	0.1 – 1.0g/100cm <sup>3</sup> .
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Corrosiveness</b>	Alkaline when mixed with water.
<b>Bulk Density</b>	1900kg/m <sup>3</sup> .

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	Product is stable.
<b>Possibility of hazardous reactions</b>	Keep dry until used. Forms a fine paste when mixed with water which will harden.
<b>Conditions to Avoid</b>	Keep dry until used.
<b>Incompatible Materials</b>	Strong Acids, bases, oxidising agents
<b>Hazardous Decomposition Products</b>	Contains Calcium Carbonate which may decompose to Calcium Oxide in a fire and then react with water to form a caustic solution.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	May cause respiratory irritation.
<b>Eye</b>	Causes serious eye damage.
<b>Skin</b>	Causes skin irritation. May cause an allergic skin reaction.

### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

Dusts can cause inflammation to the lungs, nose, and cornea. Sensitive persons may develop allergic dermatitis. When wet the plaster is alkaline and may cause burns. Product contains Silica which IARC lists as a lung cancer hazard.

## Section 12. Ecotoxicological Information

HSNO Classes: 9.1B = Toxic to aquatic life with long lasting effects.

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

Do not allow to enter waterways.

## Section 13. Disposal Considerations

### Disposal Method:

Triple Rinse and dispose of according to Local Regulations. Retain rinsate as a hazardous substance and dispose of accordingly. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of contaminants.

Ensure any container holding waste product or rinsate is labelled "Hazardous Waste – Ecotoxic" and that the label also has the Ecotoxic Pictogram, waste type identifier, and the business name, address, and phone number.

**Precautions or methods to avoid:** Avoid release to the environment.

**Section 14 Transport Information**

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

**Road, Rail, Sea and Air Transport**

<b>UN No</b>	3077
<b>Class - Primary</b>	9
<b>Packing Group</b>	III
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S
<b>Marine Pollutant</b>	Yes
<b>Special Provisions</b>	If the product's individual container is below 5kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

**Section 15 Regulatory Information**

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Construction Products (subsidiary) – HSR002544

HSNO Classification: 6.1E (resp), 6.3A, 6.5B, 8.3A, 9.1B

Trigger quantities for this substance:

<b>HSW (HS) Regulations 2017</b>	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000kg (9.1B)
Emergency Response Plan	1000kg (9.1B)
Secondary Containment	1000kg (9.1B)
Restriction of Use	Only use for the intended purpose.

**Section 16 Other Information****Glossary**

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

#### Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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