



**Powerscape Pty Ltd**  
PO Box 1854  
Castle Hill  
NSW 1765  
Tel: 1800 226 215  
Fax: 1800 226 814  
[www.powerscape.com](http://www.powerscape.com)

## STATEMENT OF HAZARDOUS NATURE

The product is not classified as hazardous according to criteria of Worksafe Australia.

## COMPANY DETAILS

Company: Powerscape Pty Ltd  
Address: 65 Hume Street, Crows Nest, NSW 2065,  
PO Box 1854, Castle Hill, NSW 1765  
Telephone/Facsimile: 1800 226 215/ fax 1800 226 814  
Emergency Telephone Number: 1800 226 215

## IDENTIFICATION

Product Name: Powerscape® Peace™ Concrete Floor  
Acoustic Overlayment  
Other Names: panel: Fiberock™; plastic: Airlon®;  
adhesive: 1181 Adhesive.  
Manufacturer's Product Code: 2U  
UN Number: panel: No UN Number allocated; plastic: No  
UN Number allocated; adhesive: 1133  
Dangerous Goods Class and Subsidiary Risk: panel: No Dangerous Goods Class allocated;  
plastic: No Dangerous Goods Class  
allocated; adhesive: 3  
Hazchem Code: panel: No Hazchem Code allocated; plastic:  
No Hazchem Code allocated; adhesive:  
2[Y]E  
Poisons Schedule Number: panel: No Poisons Schedule number  
allocated; plastic: No Poisons Schedule  
number allocated; adhesive: S5  
Use: Acoustic floor overlay for concrete floor  
systems.

## Physical Description/Properties

Appearance: A composite of a 6.3 mm thick panel of off-  
white core of gypsum and paper fibre; no  
odour, glue laminated to a 3 mm layer of  
foamed crosslinked closed cell polyethylene-  
polypropylene homo and co-polymer plastic,  
using a polychloroprene Adhesive.  
Boiling Point/Melting Point: panel: 163°C/128 °C; plastic: 160-180 °C;  
adhesive: 50-114 °C

Vapour Pressure: panel: None; plastic: None; adhesive: 145 mm Hg  
 Bulk Density: panel: 880-1120 kg/m<sup>3</sup> varies with thickness; plastic: 25-250 kg/m<sup>3</sup>; adhesive: 860 kg/m<sup>3</sup>  
 Flashpoint: panel: None; plastic: None; adhesive: -22 °C (Closed Cup).  
 Flammability Limits: panel: No flammable vapour; plastic: ≥ 300 °C; adhesive: extremely flammable  
 Solubility in Water: panel: 2 g/L; plastic: insoluble; adhesive: 23 g/L.

**Other Properties:**

Modulus of Rupture: panel: 7 MPa (dry)  
 Modulus of Elasticity: panel: 5.5 GPa  
 Water absorption: panel: 10 % max  
 Hazardous decomposition: panel: >1450 °C; plastic: > 160-180 °C; adhesive: 50-114 °C  
 Electrical surface resistance: panel: unknown; plastic: 1012 Ω/square; adhesive: unknown  
 Vapour density: panel: unknown; plastic: unknown; adhesive: 2.82 (Air=1)  
 Percent volatile by weight: adhesive; 73.6 %  
 Lower explosive limit: adhesive: 1.43 % (calculated)  
 Upper explosive limit: adhesive: 9.33 % (calculated)

**Ingredients**

**Panel:**

Chemical Name:	CAS Number:	Proportion:
Gypsum	13397-24-5	> 80 %
Paper (cellulose fibre)	9004-34-6	< 15 %
Paraffin Wax	8002-74-2	< 2 %
Crystalline Silica	14808-60-7	< 5 %

The crystalline phase of gypsum [as calcium sulphate dihydrate] may exist as a combination of dihydrate, anhydrite and bassanite.

**Plastic:**

Chemical Name:	CAS Number:	Proportion:
Polyethylene	9002-88-4	~ 50 %
Polypropylene	9003-07-0	~50 %

**Adhesive:**

Chemical Name:	CAS Number:	Proportion:
Acetone (Dimethyl Ketone)	67-64-1	< 30 %
Toluene	108-88-3	< 30 %
Hydrocarbon mixture	64742-89-8	< 30 %

**HEALTH HAZARD INFORMATION****Health Effects****Panel:***Acute:*

Swallowed:

Eye:

Skin:

Inhaled:

Chronic:

No evidence for human or animal data

When cut with power saw the dust created may cause eye irritation

Not irritating to the skin

When cut with power saw the dust created may cause transitory upper respiratory irritation.

There have been no reports in the literature of health effects in workers arising from long term exposure to gypsum and no comprehensive human studies have been conducted. No animal studies have been conducted for long-term effects. Crystalline silica, present in bulk USG gypsum at &lt; 0.1 wt%, however is a Group 1 carcinogen [IARC category], but respirable crystalline silica was not detected in air samples taken while cutting USG Fiberock™ panels with a power saw.

**Plastic:***Acute:*

Swallowed:

Eye:

Skin:

Inhaled:

Chronic:

No evidence for human or animal data

Not irritating to the eye

Not irritating to the skin

When cut with power saw the dust created may cause transitory upper respiratory irritation

No evidence for human or animal data

**Adhesive:***Acute:*

Swallowed [set]:

Swallowed [un-set]:

Eye:

Skin:

Inhaled:

Chronic:

No evidence for human or animal data

Hazardous if swallowed in un-set form.

Irritating to the eye

Irritating to the skin

Hazardous if inhaled.

Long-term exposure to the hazardous materials in the un-set adhesive has been associated with dermatitis, dry, brittle skin, kidney and liver damage. Target organs are central nervous system, kidneys, liver, peripheral nervous system, respiratory system, skin, and lung

**Other Health Effects:****Panel:**

Pre-existing upper respiratory and lung disease such as, but not limited to, bronchitis, emphysema and asthma, may be aggravated.

**Plastic:**

None

**Adhesive [un-set]:**

Pre-existing skin allergy, upper respiratory conditions and cardiovascular disease may be aggravated. Symptoms of over-exposure include irritation, dizziness, giddiness, light-headedness, weakness, dermatitis, rash, headache, nausea, diarrhoea, vomiting, pneumonia, narcosis, and coma.

**Adhesive [set]:**

These symptoms are unlikely with set adhesive within the composite product.

**First Aid**

**Panel and Plastic material:**

Swallowed:	None known to be necessary. Call a doctor if discomfort occurs.
Eye:	Flush thoroughly with water for 15 minutes to remove particles of dust. If irritation persists, see a doctor.
Skin:	Wash with water and mild soap.
Inhaled:	Remove from exposure
First Aid Facilities:	Ensure washing facilities and an eyewash station are available.

**Adhesive (un-set):**

Swallowed:	Do not induce vomiting. Give nothing by mouth if unconscious. If conscious give 1 to 2 glasses of water. Call a doctor.
Eye:	Flush thoroughly with water for at least 15 minutes. Call a doctor.
Skin:	Flush thoroughly with water for at least 15 minutes.
Inhaled:	Remove from exposure. If not breathing give artificial respiration. Call a doctor.
First Aid Facilities:	Ensure washing facilities and eyewash station.

**Advice to Doctor:**

The target organ is the lung and pre-existing respiratory problems would need to be identified.

**PRECAUTIONS FOR USE**

**Exposure Standards:** TWA (time weighted average: 8h/d, 5d/wk) for:

Gypsum	is	10 mg/m <sup>3</sup>	[TLV (mg/ m <sup>3</sup> ) of 10(T)/5(R)]
Paper	is	10 mg/m <sup>3</sup>	[TLV (mg/ m <sup>3</sup> ) of 15(T)/5(R)]
Paraffin wax	is	2(fume)	[2(fume)]
Crystalline Silica	is	0.1(R)	0.1 ( R )
Acetone	is	750 mg/kg	1000 mg/kg STEL.
Toluene	is	100 mg/kg	-
Hydrocarbon mixture	is	400 mg/kg	-

(T) – Total Dust            (R) – Respirable Dust    STEL – Short-term exposure limit

**Engineering Controls:**

Ensure ventilation is adequate to maintain air concentrations below exposure standards during manufacture of product.

**Personal Protection:**

In the manufacture process, wear a dust mask in areas of high dust and vapour generation. When cutting the product with a power saw, use an approved respirator for dusts if TLV is exceeded. Ventilate all areas of manufacture of use if local TLV is exceeded. Safety glasses must be worn as required by dusting conditions.

**Flammability:**

The product is not flammable under conditions of end use. The plastic overlayer on the product prior to end use installation is reactive at temperatures > 160 °C at its surface and flammable at ≥ 300 °C.

**SAFE HANDLING INFORMATION**

**Storage and Transport:**

No special storage or transport requirements necessary except keep product in a dry and level condition for maintained performance at end use.

**Spills and Disposal:**

Waste disposal to sanitary, approved landfill. For spills of component chemicals during manufacture, sweep up bulk of material. Do not wash into drains.

**Fire/Explosion Hazard:**

No fire or explosion hazard is known.

**OTHER INFORMATION:** None

**CONTACT POINT:**

Steve Marlor 1800 226 215, fax 1800 226 814 or [Steve.marlor@powerscape.com](mailto:Steve.marlor@powerscape.com)