

# SAFETY DATA SHEET

## SECTION 1: PRODUCT AND COMPANY INFORMATION

**PRODUCT NAME:** *Speedpanel*  
**GENERIC NAME:** *Speedwall*

**PRESCRIBED USE:** *Used in the construction industry as non-structural walls in place of pre-cast concrete, brickwork, aerated thermal blocks or fire-rated wall studs.*

**COMPANY/SUPPLIER:** *Speedpanel (Vic) Pty Ltd*  
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## SECTION 2: HAZARDS IDENTIFICATION

**Classified as Hazardous** - Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

**Not Classified as Dangerous Goods** - ADG Code

**Signal Word:** Warning



**Pictograms:**

**Hazard Statements:**

- H302 – Harmful if swallowed
- H312 – Harmful in contact with skin
- H315 – Causes Skin Irritation
- H317 – May cause an allergic skin reaction
- H319 – Causes serious eye irritation
- H332 – Harmful if inhaled
- H335 – May cause respiratory irritation

**Precautionary Statements:**

- P261: Avoid breathing dust
- P264: Wash hands thoroughly after handling
- P270: Do not eat, drink or smoke when using this product
- P271: Use only outdoors or in a well-ventilated area
- P272: Contaminated work clothing should not be allowed out of the workplace
- P280: Use protective gloves/protective clothing
- P301 & P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- P302 & P352: IF ON SKIN: Wash with plenty of soap and water
- P304 & P340: IF INHALED: Remove victim 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.
- P330: Rinse Mouth
- P332 & P333 & P313: If skin irritation or rash occurs: Get medical advice/attention
- P337 & P313: If eye irritation persists: Get medical advice/attention
- P363: Wash contaminated clothing before reuse
- P501: Dispose of contents/container in accordance with local council regulations

### **SECTION 3: COMPOSITION / INGREDIENTS**

<b>Chemical Entity</b>	<b>CAS No.</b>	<b>Proportion</b>
Washed Fine Sand	---	< 20 %
Portland Cement	65997-15-1	< 50 %
Detergent Based Foaming Agent	---	< 1 %
Polypropylene Filaments	9003-07-0	< 1 %
Galvanized Steel	---	< 20 %
Water	---	to 100 %

### **SECTION 4: FIRST AID MEASURES**

**Inhalation:**

Remove to fresh air, away from dusty area. If symptoms persist, seek medical attention.

**Ingestion:**

Rinse mouth and lips with water. Do not induce vomiting. Give water to drink to dilute stomach contents. If symptoms persist, seek medical attention.

**Skin Contact:**

Remove heavily contaminated clothing immediately. Wash off skin thoroughly with water. Use a mild soap if available. Shower if necessary. Seek medical attention for persistent irritation or burning of the skin.

**Eye Contact:**

Flush thoroughly with flowing water for 15 minutes to remove all traces. If symptoms such as irritation or redness persist, seek medical attention.

### **SECTION 5: FIRE FIGHTING MEASURES**

<b>Fire/Explosion Hazard:</b>	None.
<b>Fire Extinguishing Media:</b>	Use appropriate fire extinguisher for surrounding fire/environment.
<b>Special Protective Equipment for Fire-fighters:</b>	None required.
<b>Hazchem Code:</b>	Not assigned.
<b>Hazardous products of combustion:</b>	None.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Emergency procedures:**

Provide adequate ventilation.  
Avoid dust formation.  
Evacuate all unnecessary personnel.

**Methods for cleaning up:**

Offcuts, general waste material and dust should be collected for disposal with other construction materials in accordance with local authority guidelines. Dust should be wetted down with water to reduce generation of airborne dust before clean up.

**Environmental precautions**

Do not allow product to enter sewers or waterways. Advise emergency services and appropriate local environment authority if contamination occurs.

## SECTION 7: HANDLING AND STORAGE

### Handling & Storage:

No special transport or storage requirements are necessary.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Standards:

*Hazardous Substances Information System (HSIS):*

Exposure to dust should be kept as low as practicable, and below the following OES.

Aim to maintain airborne dust levels below 2.0mg/m<sup>3</sup> TWA (time-weighted average) as respirable dust.

Portland Cement: 10mg/m<sup>3</sup> TWA as respirable dust.

Crystalline Silica (Quartz): 0.1mg/m<sup>3</sup> TWA as respirable dust ( $\leq 7$  microns particle equivalent aerodynamic diameter).

### Engineering Controls:

All work with Speedpanel products should be carried out in such a way as to minimise exposure to dust. Whenever practicable, the generation of dust on construction sites should be reduced by supplying Speedpanel panels in pre-made ready to install form, and any cutting or machining should be done in well ventilated work areas. Work areas should be kept clean by regular vacuuming or wet sweeping.

### Ventilation:

Local ventilation should be provided at areas of cutting and machining to remove airborne dust. General dilution ventilation should be provided as necessary to keep airborne dust below the recommended concentrations. The need for ventilation systems should be evaluated by a professional industrial hygienist, while the design of specific ventilation systems should be conducted by a professional engineer.

### Personal protective equipment:

#### **Respiratory protection:**

Avoid breathing dust. Wear a P1 or P2 particulate disposable or cartridge dust mask (respirator) conforming with Australian Standards AS/NZS 1715: *Selection, use and maintenance of respiratory protective devices* and AS/NZS 1716: *Respiratory protective devices* when exposed to dust and to respirable crystalline silica.

Use only respirators that bear the Australian Standards mark and are fitted and maintained correctly.

For dust levels approaching or exceeding the NES (see above) a more effective particulate respirator as described in AS/NZS 1715 should be worn.

Procedures for effective use of respirators should be applied and supervised.

#### **Skin protection:**

Wear standard duty gloves (AS 2161: *Industrial safety gloves and mittens*), loose comfortable clothing, and boots. Long-sleeved shirts and long trousers are recommended if skin itching occurs. Wash skin with mild soap and water after working with these products. Wash work clothes regularly. To avoid contamination of the face and lips and ingestion, wash hands before eating or smoking.

#### **Eye protection:**

Non-fogging dust resistant safety goggles, glasses (AS/NZS 1336: *Recommended practices for eye protection in the occupational environment*) or faced shield should be worn if there is a risk of dust getting into the eye, such as when using power tools.

#### **Hygiene measures:**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the toilet and at the end of the working period. Do not smoke whilst exposed to Speedpanel dust.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Speedpanel is a building panel consisting of two seamed steel panels filled with an inner layer of aerated concrete. The panel dimensions are 77 – 120mm thick, 110 – 300mm wide, and up to 7 meters long.
<b>Odour:</b>	Odourless
<b>pH (1 + 5 Solution @ 25°C):</b>	11 – 12
<b>Melting Point/Freezing Point:</b>	No Data Available
<b>Initial Boiling Point &amp; Boiling Range:</b>	No Data Available
<b>Flash Point:</b>	No Data Available
<b>Evaporation Rate:</b>	No Data Available
<b>Flammability:</b>	No Data Available
<b>Upper/Lower Flammability/Explosive Limits:</b>	No Data Available
<b>Vapour pressure:</b>	No Data Available
<b>Vapour density:</b>	No Data Available
<b>Relative Density:</b>	0.6
<b>Water Solubility:</b>	Insoluble
<b>Partition Coefficient:</b>	No Data Available
<b>Auto-Ignition Temperature:</b>	No Data Available
<b>Decomposition Temperature:</b>	No Data Available
<b>Viscosity:</b>	No Data Available

## SECTION 10: STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under ambient or recommended conditions of use and storage.
<b>Incompatible Materials:</b>	None.
<b>Hazardous decomposition:</b>	Speedpanel panels are non-flammable, do not support combustion of other material, and do not generate hazardous decomposition products.

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Health Effects:</b>	<b>Acute (Short Term) Exposure</b> The health effects due to dust from Speedpanel are those due to alkaline irritating dust.
<b>Inhalation:</b>	Inhalation of the dust may irritate the nose, throat and respiratory tract, resulting in sneezing, coughing and increased mucous.
<b>Swallowed:</b>	Unlikely under normal conditions. Swallowing the dust may cause abdominal discomfort.
<b>Eye:</b>	The dust may be irritating and corrosive to the eyes, resulting in redness, watering and ulceration of the surface of the eye (cornea). Exposure to the dust may aggravate existing eye conditions.
<b>Skin:</b>	Speedpanel dust may be irritating and abrasive to the skin, causing itching, redness and dermatitis in some people. The dust is not absorbed through the skin. Chronic skin disorders may be aggravated by exposure to the dust.

## **SECTION 11: TOXICOLOGICAL INFORMATION (cont.)**

### **Health Effects:**

#### **Chronic (Long Term) Exposure**

### **Inhalation:**

Repeated exposure to the dust may result in increased nasal and respiratory secretions and coughing. Inflammation of the lining tissue of the respiratory system may follow repeated exposure to high levels of dust, with increased risk of bronchitis and pneumonia.

Repeated and prolonged exposure to dust levels which exceed the OES for crystalline silica (see above) may occur. This can cause bronchitis, and silicosis (scarring of the lung). Long term overexposure to respirable crystalline silica dust may increase the risk of other irreversible and serious disorders including scleroderma (a disease affecting the connective tissue of the skin, joints, blood vessels and internal organs).

Cement (Portland Cement) is not classified as a carcinogen by the GHS.

The International Agency for Research on Cancer (IARC) has classified crystalline silica, inhaled in the form of quartz or cristobalite from occupational sources, as carcinogenic to humans (Group 1). GHS has not classified crystalline silica as a carcinogen.

### **Eye:**

Dust may cause irritation and inflammation of the cornea.

### **Skin:**

Repeated contact causes irritation and drying of the skin and can result in skin reddening and skin rash (dermatitis). Over time this may become chronic and can also become infected.

## **SECTION 12: ECOLOGICAL INFORMATION**

This product should be used only for its designated purposes, and should not be deposited in watercourses.

### **Ecotoxicity:**

No data available.

### **Persistence/Degradability:**

Product is persistent and would have a low degradability.

### **Mobility:**

A low mobility would be expected in a landfill situation.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **Method of disposal:**

This product is not regulated as a hazardous waste by Australian environmental authorities. Local guidelines should be followed in the disposal of waste products and dust.

### **Special precautions:**

Keep material out of storm water and sewer drains.

Measures should be taken to prevent dust generation during disposal, and exposure and personal precautions should be observed.

## **SECTION 14: TRANSPORT INFORMATION**

Not classified as Dangerous Goods according to the ADG Code.

No special transport requirements are necessary.

### **Subject to transport regulations.**

<b>ADG:</b>	Not regulated as Dangerous Goods
<b>IMDG:</b>	Not regulated as Dangerous Goods
<b>ICAO/IATA:</b>	Not regulated as Dangerous Goods

**UN Number:** None allocated

**UN Proper Shipping Name:** None allocated

**Dangerous Goods Class:** None allocated

**Subsidiary risk:** None allocated

**Packing Group:** None allocated

**Hazchem Code:** None allocated

## **SECTION 15: REGULATORY INFORMATION**

Portland Cement is not classified as Dangerous Goods.

Exposures by inhalation to high levels of dust may be regulated under the Hazardous Substances Regulations (State) as they are applicable to Respirable Crystalline Silica, requiring exposure assessment, controls and health surveillance (GHS).

Occupational exposure to dust from this product is classified as hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

The following classification relates to **Crystalline Silica**, a component of Speedpanel dust.

**Australia – GHS:** Not classified as a carcinogen

## SECTION 16: OTHER INFORMATION

SDS Issue Date (V2.00): July 2017

Due for Review: July 2022

**Change Log:**

1.01: Address Update.

2.00: Update to Current Guidelines

**Key to abbreviations:**

ACGIH	American Conference of Governmental Industrial Hygienists
ADG	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
ASCC	Australian Safety and Compensation Council
CAS	Chemical Abstracts Service Registry Number
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
HSIS	Hazardous Substances Information System
ICAO	International Civil Aviation Organisation
IATA	International Air Transport Association
IMDG	International Maritime Organisation Rules
STEL	Short term exposure limit
TWA	Time weighted average
LC <sub>Lo</sub>	Lethal Concentration Low – lowest concentration causing death
LD <sub>Lo</sub>	Lethal Dose Low – lowest dose causing death
LC <sub>50</sub>	Lethal Concentration required to kill 50% of test population
EC <sub>50</sub>	Half maximal effective concentration

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**Label Hazard Warning:**

MAY BE HARMFUL IF SWALLOWED.

MAY CAUSE IRRITATION TO SKIN, EYES, RESPIRATORY TRACT AND GASTROINTESTINAL TRACT.

**Label First Aid:**

IN SEVERE CASES, CALL FOR MEDICAL ATTENTION IMMEDIATELY.

If ingested/swallowed, and patient is conscious, rinse out mouth with water.

If inhaled, remove patient to fresh air.

In case of eye contact, immediately flush eyes with water.

In case of skin contact, wash with soap and water.

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**This SDS has been prepared and issued by:**

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*The information contained herein is based on the present state of our knowledge. This document characterises the product with regard to the appropriate safety precautions, and is only proposed as a guide when applied for its intended use. Each intended user should consult this SDS, and perform their own appropriate risk assessment in context to how the product will be handled and used in the workplace. Sharp and Howells Pty Ltd will not be responsible for any loss or damages resulting from use of or reliance on the information and advice contained herein.*