

# Safety Data Sheet

## Section 1. Identification of the product and of the company / undertaking

### 1.1 Product Identifier

Product (trade) name VERSAROC®  
Generic name Cement Bonded Particle Board

### 1.2 Relevant identified uses (and uses advised against)

Identified Uses Cement Bonded Particle Board for construction use as liner or cladding elements - for further information refer to Product/Technical Data Sheet.  
Advised against Unsupported flooring or where exposed to strong acids or oxidising agents.

### 1.3 Details of the supplier of the Safety Data Sheet

Supplier US Architectural Products  
Address 103 Carnegie Centre, Suite 320, Princeton NJ 08450  
Telephone 1-800-243-6677  
email [sales@architecturalproducts.com](mailto:sales@architecturalproducts.com)  
Web [www.architecturalproducts.com](http://www.architecturalproducts.com)

### 1.4 Emergency telephone number

1-800-243-6677 Office Hours (08:00 – 17:00 EST, Mon – Fri)

## Section 2. Hazards Identification

### 2.1.1 GHS Classification

according to 29 CFR 1910.1200

**Article:** a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees

### 2.1.3 Additional Information

Dry working (drilling, sanding, cutting) can release dusts unless controlled – see Section 8


### 2.2 Label elements

Pictogram(s) None  
Signal Word **None**  
Hazards None  
Precautions Wear protective gloves  
IF ON SKIN: Wash with plenty of soap and water  
Supplemental This article contains <1 % unknown toxicity  
National Toxicology Programme – No substances listed in the 14<sup>th</sup> report on carcinogens.  
International Agency for Research on Cancer – No substances listed in monographs.

### 2.3 Other Hazards

Boards are heavy and awkward to transport – see Section 7

## Section 3. Composition/information on ingredients

Substances	CAS #	Concentration	Classification	Hazard Pictogram
Portland Cement	65997-15-1	70 – 75 %	Skin Irritant 2, Skin sensitizer 1B, Eye Damage 1	
Wood fibres	-	15 – 20 %	Not classified	None
Water (moisture content)	7732-18-5	5 – 15 %	Not classified	None
Binding agent	-	< 1 %	Not classified	None

NOTE: Portland Cement is present in its hydrated form as a finished article.

# Safety Data Sheet

## Section 4. First aid measures

### 4.1 Description of first aid measures

general	Dust exposure symptoms.
inhalation	If coughing, discomfort or obstruction occurs due to inhalation of dust seek medical advice.
skin contact	Wipe material from skin. Wash with soap and water.
eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses (if present) and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist.
ingestion	Wash out mouth with water, do not induce vomiting.
protection	No hazards requiring protective equipment in normal use.

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

general	Product is considered relatively benign.
inhalation	Irritation of the airway from fine particles generated by mechanical working of the article.
skin contact	Prolonged contact by exposed moist/wet skin may show mild irritation.
eye contact	Irritation may occur if product enters eye.
ingestion	Irritation may occur if ingested.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## Section 5. Fire fighting measures

### 5.1 Extinguishing media

Suitable	Extinguishing measures appropriate to the local circumstances and surrounding environment.
Unsuitable	No additional information available.

### 5.2 Special hazards

Building material rated for zero flame spread and zero smoke development under surface burning characteristics testing standards of ASTM E-84 and ANSI / UL 723.  
Small quantities of Carbon Monoxide and Carbon Dioxide may be generated.

### 5.3 Advice for fire fighters

Wear self-contained breathing apparatus.

## Section 6. Accidental Release Measures

### 6.1 Personal Precautions

#### 6.1.1 For non-emergency Personnel

Wear abrasion resistant gloves.

#### 6.1.2 For emergency responders

Wear abrasion resistant gloves.

### 6.2 Environmental Precautions

Do not flush into surface water or sanitary sewer system.

### 6.3 Methods and material for containment and cleaning up

Small pieces should be collected and disposed of to an identified receptacle.  
Dusts should be removed using a high efficiency (HEPA) filter vacuum OR the area should be wetted with fine water spray before sweeping.

### 6.4 Reference to other sections

For personal protection see section 8.

## Section 7. Handling & Storage

### 7.1 Precautions for safe handling

Wash hands thoroughly at the end of work and before breaks.  
Do not smoke, eat or drink when handling boards.

# Safety Data Sheet

High speed cutting tools should be avoided unless emission (dust) extraction is in place.  
 Individual loose boards should be carried vertically.  
 Allow material to acclimatise to ambient working conditions for 24 – 48 hours prior to fixing.  
 Refer to Technical Data Sheet for machining methods.

## 7.2 Conditions for safe storage, including any incompatibilities

Store flat in a dry well ventilated area.  
 Support load at 800 mm centres.  
 Do not store upright or on edge.

## 7.3 Specific end use(s)

Cement Bonded Particle Board for construction use as liner or cladding elements.

## Section 8. Exposure controls / personal protection

### 8.1 Control parameters for workplace

Component	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL
Wood Dust	-	5 mg/m <sup>3</sup> TWA 10 mg/m <sup>3</sup> STEL	1	15 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp) TWA
Portland Cement	65997-15-1	10 mg/m <sup>3</sup> (total) TWA	10 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp) TWA	50 mpcf TWA
Particulates Not Otherwise Regulated (other dusts)	-	10 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp) TWA	-	15 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp) TWA

### 8.2 Exposure controls

#### Engineering controls

Dry working of the material (cutting, drilling, sawing, sanding) has the potential to generate fine dust particles - adequate ventilation should be sufficient to control worker exposure to airborne contaminants

Apply positive ventilation in confined spaces if dust becomes evident.

Use on tool high efficiency particulate (HEPA) extraction where possible.

#### Eye protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this to be necessary.

#### Hand protection

Abrasion resistant gloves complying with an approved standard should be used when handling boards.

#### Respiratory protection

Where dusts are generated and in the absence of engineering controls a properly fitted NIOSH approved quarter mask for dusts should be worn.

#### Skin & body protection

Exposed skin on the arms and legs should be covered to prevent abrasion injury when handling boards.

#### Environmental controls

Wet down area before sweeping.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Grey sheet.
Form	Solid.
Upper/lower flammability/explosive limits	Not applicable.
Odour	None.
Vapour Pressure	Not applicable.
Odor threshold	Not applicable.
pH	Not applicable.
Relative density	1.25
Melting/Freezing point	Not applicable.
Water solubility	Slight.
Initial boiling point and boiling range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.

# Safety Data Sheet

Flammability (solid, gas)	Not flammable (UL listed rated 0 for flame spread ASTM E-84 and ANSI/UL 723)
Partition coefficient: n-octanol/water	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not applicable.
Viscosity, kinematic	Not applicable.

## 9.2 Other information

Surface pH 11 – 13 (in the presence of liquid)

## Section 10. Stability & Reactivity

### 10.1 Reactivity

Stable Inert article no adverse reactions foreseeable in anticipated conditions of use.

### 10.2 Chemical Stability

This article is chemically stable.

### 10.3 Possibility of hazardous reactions

Stable under foreseeable conditions of storage and intended use.

### 10.4 Conditions to avoid

Highly acidic conditions.

### 10.5 Incompatible materials

Strong acids.

### 10.6 Hazardous decomposition products

Small quantities of Carbon Monoxide and Carbon Dioxide may be generated if the product is exposed to fire.

## Section 11. Toxicological information

Component	Route	Species	Test	Exposure	Value	Unit
No components	*	*	*	*	*	*

**Acute Toxicity** No data available.

**Skin corrosion** No data available.

**Skin irritation** No data available.

**Serious eye damage** No data available.

**Eye irritation** Dust may cause temporary irritation and watering.

**Respiratory sensitisation** No data available.

**Skin sensitisation** No data available.

**Germ cell mutagenicity** No data available.

**Carcinogenicity** No data available.

**Reproductive toxicity** No data available.

**STOT – single exposure** No data available.

**STOT – repeated exposure** Inhalation of high concentrations of dusts may cause respiratory conditions.

**Aspiration toxicity** No data available.

## Section 12. Ecological information

### 12.1 Toxicity

Component	Toxicity to:	Test	Exposure	Value	Unit
No components	*	*	*	*	*

### 12.2 Persistence and degradability

Inert, not readily degradable.

### 12.3 Bioaccumulative potential

No indication of bio-accumulation potential.

### 12.4 Mobility in soil

No indication of mobility in soil.

### 12.5 Results of PBT and vPvB assessment

# Safety Data Sheet

No additional information available.

## 12.6 Other adverse effects

No additional information available.

## Section 13. Disposal considerations

### 13.1 Waste treatment methods

#### 13.1.1 Product / packaging disposal

Dispose of in accordance with national / local regulations.

#### 13.1.2 Waste treatment – relevant information

Dispose of in accordance with national / local regulations.

#### 13.1.3 Sewage disposal – relevant information

Avoid entry in to sewers and water courses.

#### 13.1.4 Other disposal recommendations

Dispose of in accordance with national / local regulations.

## Section 14. Transport information

<b>UN No.</b>	None.
<b>Proper shipping name</b>	Not applicable.
<b>Transport hazard class(es)</b>	Not applicable.
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	Not applicable.

## Section 15. Regulatory information

### 15.1 US Federal Regulations

TSCA list	All substances in this product are either listed or exempt.
CERCLA Reportable Quantity	This product does not contain any substances with a CERCLA RQ.
SARA304 Reportable Quantity	This product does not contain any substances with a section 304 EHS RQ.
SARA 311/312 Hazards	Not applicable.
SARA 302	No substances subject to the reporting requirements of SARA Title III, Section 302.
SARA 313	No substances subject to the reporting requirements of SARA Title III, Section 313.
Clean Air Act	This product does not contain any substances listed under the U.S. Clean Air Act.

### 15.2 US State Regulations

California Proposition 65	Wood dust is listed.
Minnesota "Right to Know"	Portland Cement and Wood dust are listed.
New Jersey "Right to Know"	Portland Cement is listed.
Pennsylvania "Right to Know"	Portland Cement is listed.
Rhode Island "Right to Know"	Portland Cement and Wood dust are listed.

## Section 16. Other information

HMIS® information is not required upon a Safety Data Sheet under 29 CFR 1910.1200

Previous version	*
Changes to previous version	Issued to reflect classification under 29 CFR 1910.1200 as an article

The information provided within this Safety Data Sheet is believed correct and to the best of our available knowledge as at its revision date. The information given should only be used as guidance for safe handling, use, processing, storage, transportation and disposal and should not to be considered as obligation in respect of warranty of (technical) performance, quality (specification) or suitability for any particular application.