

DATED: 7 July 2003

MATERIAL SAFETY DATA SHEET

IDENTIFICATION

Product Name:	'cemlite®'		
Description:	Lightweight but strong acrylic/cement render (trowel applied plastering material for interior or exterior walls) and trowel finish floor and exterior pavement topping that features high thermal and acoustic insulation properties. A load bearing, lightweight cement/acrylic resin based composite coating, moulding/casting and sculpturing material. The product is supplied as a white powder and intended for thorough mixing into a relatively low amount of drinkable water on site immediately prior to use or application.		
UN No	None	Hazchem:	None
CAS Number:		Poisons Schedule:	None
Portland Cement:	65997/15/1		
Flyash:	68131/74/8		
Silica Fume:	7631/86/9		
'e-SPHERES' - CAS 68131-74-8:	Hollow spheres of fused alumino silicate		
Dangerous Goods/and Subsidiary Risk:	Non Applicable		
Use:	Cementitious (cement-based) 'cemlite®' is used for making strong moulded products/materials and mostly as a lightweight but very strong (high compressive strength) insulative moulding and applied finish interior wall plastering or exterior rendering, exterior pavement or floor 'topping') coating of approximately 7-12mm total thickness. It is typically applied with tools/equipment used for normal wall plastering and floor screeding such as trowels and floats as well as with suitable spray application equipment followed by levelling with long length wooden and/or metal floats.		

PRECAUTIONS FOR USE

Personal Protections:	Wear suitable protective clothing, gloves (AS 2161), and eye protection (AS/NZS 1337). When exposed to dust, wear a suitable face mask or respirator (AS/NZS 1715 and 1716). Wash thoroughly after handling. Wash work clothes regularly and separately from other clothes.
TLV:	2 mg/m ³ for inspirable dust. 'cemlite®', particularly in its mixed plastic (unhardened) liquid form after mixing it with water can dry the skin and cause alkali burns. Continued exposure to individuals who are allergic to chromium, may cause allergic dermatitis or eczema of the skin.

PRECAUTIONS FOR USE (Continued):

Ventilation:	Avoid the creation of dust when using this powder material. Use in a well ventilated area. Where practical, suitable means of dust collection/suppression should be applied as necessary to maintain acceptable air borne dust levels. Persons with a history or respiratory illness or reduced pulmonary function should avoid work places with high dust levels.
Flammability:	The product is non-combustible, however, do not use the product in confined areas with limited air space. Avoid the possibility of fire caused by fine dust near naked flames, electrical sparks, static electricity or in an explosive atmosphere especially where gas may be leaking.

SAFE HANDLING INFORMATION

Handling and Storage:	'cemlite [®] ' powder should be stored in a cool, dry area and in containers that prevent ingress of moisture as this will cause it to set and harden in storage. The bag in which it is supplied is the a good form of storage. Otherwise store in suitable sized containers so that each is full with no air space and which have tight fitting lids.
Spills and Disposals:	Spills may be cleaned up by any suitable dry method with suitable personal protection equipment being used by clean-up personnel. Collect in containers (without causing dust to float into the air) for disposal as trade waste landfill in accordance with local authority laws and guidelines.

PHYSICAL DESCRIPTION

Appearance:	'cemlite [®] ' is a fine white powder. It is 'through' colourable with suitable colouring pigments and may be manufactured and supplied in virtually any colour on firm advance order from Ability.
Boiling/Melting Point (°C):	Some components begin to melt at higher than normal temperatures (> 180°C).
Vapour Pressure:	Not applicable.
Specific Gravity:	1.4 – 1.5
Flash point:	Not applicable.
Flammability Limits:	Not applicable.
Other Properties:	It is non explosive in non confined well ventilated areas having clear, clean air and has virtually no odour - (faint sweet smell). Sets and hardens on mixing with water. Partially soluble in water.

HEALTH HAZARD INFORMATION

Health Effects of 'cemlite[®]' Powder:

- Swallowed:** Mild – to severe corrosive (caustic) action.
- Eyes:** Short-term exposure: irritating. Long-term exposure: irritating and may cause inflammation of the cornea.
- Skin:** Short-term exposure: irritating. Long-term exposure: Both the 'cemlite[®]' powder as supplied and when this is mixed with water as a liquid is caustic and can dry the skin. There are also trace amounts of water-soluble hexavalent chromium present in the cement (0-20 ppm) component and for some individuals this may cause allergic dermatitis.
- Inhaled:** Irritating. Long-term exposure may cause inflammation of and damage to the lining of the respiratory system.

First Aid:

- Swallowed:** Wash mouth and lips with clean water. Do not induce vomiting, give water containing sugar or milk to drink. Seek medical attention quickly.
- Skin:** Wash with tepid soapy water. A shower may be required.
- Eyes:** Irrigate with copious clean tap water for at least fifteen (15) minutes. Seek medical attention.
- Inhaled:** Move to fresh air, wash face and any other skin surfaces with clean water and seek medical attention if effects persist.
- Exposure Limits:** 'cemlite[®]' powder is classified as a nuisance dust.
- Advice to Physician:** Contact a poisons information centre and treat as for Portland cement powder used for making concrete and mortar.

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THIS ENDS THE MSDS