REF: MSDS cemliteHE - (306011)

DATE: 11 June 2003

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(I) PRODUCT IDENTIFICA	ATION AND COMPOSITION:
Product Name: Description:	cemlite [®] HE Lightweight but very strong, highly adhesive, thermally and acoustically insulating acrylic render (trowel applied 'plastering compound) and Drywall dry-mix compound for walls). Moulding/sculpturing compound and applied internal floor/exterior pavement topping dry mix compound
Chemical Name(s): CAS No: Components contribution	Aluminium silicate, aluminium oxide and calcium aluminates 1327-36-2,1344-28-1 and 65997-16-2
to hazard classification A1/115/EEC:	None
Chemical Formula: Emergency Telephone No: Email:	CaO Al ₂ O ₃ , 12CaO 7Al ₂ O ₃ , CaO 2AL ₂ O ₃ , Al ₂ O ₃ (03) 9457 6488 Fax: (03) 9458 4683 service@abilityproducts.com.au
(II) HAZARDS IDENTIFIC	ATION:
Most Important Hazards:	In contact with water, an alkaline solution occurs (pH 10-11.5). In spite of the pH level, the alkaline reserve is limited and special tests have confirmed its non-irritant properties according to criteria defined in the EEC directives (93/21/EEC).
Components:	A dust problem may occur in confined areas. It is regarded as nuisance dust without any known specific effects to health. Avoid making excess dust during use. Avoid electrical/other sparks and static electrical discharges. Hydraulic binder preparations based on fused or sintered calcium aluminate clinker, aluminium oxide and filled mainly with strong white, hollow ceramic microspheres consisting essentially of amorphous alumino silicate). The major chemical constituents are Al ₂ O ₃ , CaO and SiO ₂ appearing predominantly in the above mineralogical compounds (see Chemical Formula above). Binders do not contain free lime or finely divided free crystalline silica (such as quartz, tridymite or cristobalite) in measurable amounts.
Specific Hazards: Hazardous Nature Statemen	The binders react chemically and set and harden when mixed with water. The reaction is exothermic resulting in a temperature rise. In large quantities the temperature of the mixture may increase enough to cause a risk of burns. t:Not classified as hazardous according to Worksafe Australia.
Dangerous Goods Class:	None allocated
Hazchem Code: Poisons Schedule No:	None allocated None allocated
(III) PHYSICAL AND CHE	
Appearance: Use:	White powder Two pack chemically activating, but one step process material (simply mix thoroughly with the <i>specified</i> low amount of clean drinkable water) to produce a
Colour: Odour: Flash Point: Melting Point: Explosion properties: Boiling Point: pH Value: Solubility in Water:	relatively fast setting, high early strength, high ultimate strength, <i>load-bearing</i> , lightweight, fire retardant, durable and insulative, advanced composite material having high resistance to chemicals. (See relevant printed information data – available upon request) White Odourless Not applicable 1680°C - 1750°C Not applicable 10.5-11.5 (10% dispersion in water) 700-900 kg/m ³

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(IV) FIRE & EXPLOSION	DATA:
Flash Point:	Not applicable.
Flammability Properties:	Not applicable.
Extinguishing Media:	Use extinguishing agents that are suitable to surrounding fire.
Explosive Properties:	Dust may form on explosive mixture in air. Avoid making excess dust – especially
	in confined areas during the required blending of the product into the water
	proportion. Avoid electrical sparks, changes in static electricity, leaking gas and
Suitable Extinguishing	naked flames. Do not use in confined areas with little air ventilation.
Media:	Water spray, dry powder, foam or carbon dioxide (CO_2) .
Special Fire Fighting	water spray, ary powder, roam of earbon dioxide (CO ₂).
Procedures/Unusual Fire	
Explosion Hazards:	Although non-flammable, Fire Fighters should be equipped with self-contained
	breathing apparatus due to dust which is regarded as a nuisance.
	There is a risk of burns when large amounts of product comes into contact with the
	recommended proportion of water. This product is not flammable and will not
	support flame. It does not promote combustion with other materials. When set and
	hardened, it is fire retardant.
(V) HUMAN HEALTH DA	TA:
Primary Route(s) of	
Exposure:	Eye and skin contact, inhalation
Human Effects and Sympton	
or Over exposure acute:	Excessive exposure to airborne dust may reduce visibility and/or cause unpleasant
Chronic:	deposits in the eyes, ears and nose. No chronic Health effects are known.
Medical Condition	No emone ficatif creets are known.
Aggravated by Exposure:	Not known
Carcinogenicity:	Not known
Exposure Limits:	Not known
(VI) EMERGENCY AND F	IRST AID PROCEDURES:
Eye Contact:	Flush eyes with plenty of clean drinkable water for 15 minutes. Consult physician
-	if any irritation persists.
Skin Contact:	Remove contaminated clothing and wash affected area with soap and plenty of
T T T <i>t t</i>	clean water.
Inhalation:	Remove from dusty area to fresh air. Consult physician if any irritation persists.
Ingestion:	Wash out mouth with drinkable water and give plenty of water to drink. Consult physician if any irritation persists.
	TOR PROTECTION RECOMMENDATIONS:
Eye Protection:	Wear suitable approved industrial safety spectacles as minimum protection or
Hand Protection:	preferably safety goggles Wear suitable protective gloves during handling/working
Skin & Body Protection:	Wear suitable protective clothing and boots
Respiratory Protection	Wear suitable face mask (AS/NZ Standard 1715)
Ventilation:	It is recommended to maintain the air level below an exposure limit of 3.5 mg/m^3 .
	In case of insufficient air ventilation wear suitable respiratory equipment.
Engineering Measures to	
Reduce Exposure:	Ensure supply of adequate ventilation especially in a confined area.
Hygiene Measures:	Wash skin thoroughly after handling and preferably shower or bathe at the end of the working shift. Wash work slother memberships and separately from other slother
	the working shift. Wash work clothes regularly and separately from other clothes.
(VIII) REACTIVITY DATA	
Stability: Conditions to avoid	Stable in a dry and low humidity environment.
Polymerisation:	Does not occur.
Incompatibility with Other	
Materials:	Contact with water in all forms during storage will hydrate the product which will
	cause lumps and affect the product's performance. The product reacts chemically
	when mixed with water and will harden forming stable calcium aluminate hydrates.
	This reaction is exothermic and continues for up to 24 hours. Total heat released is
H I D '''	\leq 500kJ/kg.
Hazardous Decomposition Product:	None under normal processing
I I UUUCI.	None under normal processing.

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(IX) SPILL OR LEAK PRO	CEDURES:	
Steps to be taken in case the material is released or		
spilled:	For large amounts preferably use dry methods while avoiding dust exposure. Scoop material into an appropriately marked container for approved dispos without creating dust.	
Waste Disposal Method:	Landfill in accordance with local, State or Federal environmental control regulation(s). Although virtually harmless it is imperative not to let product enter drains.	
RCRA Status:	None.	
(X) SPECIAL PRECAUTIO	ONS & STORAGE DATA:	
Storage Temperature		
(Min/Max.):	Ambient/Ambient	
Average Shelf life:	Virtually unlimited in dry, cool storage areas off the ground	
Special Sensitivity:	None	
Precautions to be taken in	Store in dry conditions, preferably above ground protected by shrink wronning or	
Handling and Storage:	Store in dry conditions, preferably above ground protected by shrink wrapping or in bulk silo, or store in original containers or packages away from foodstuff Avoid creating and breathing dust. Avoid contact with eyes and skin and was after handling. Use personal protective equipment. Take precautionary measure against static electrical discharges. Avoid dust formation.	
(XI) SHIPPING AND TRAN	SPORT DATA:	
Technical Shipping name: Proper Shipping name: UN No:	cemlite [®] HE Calcium aluminates, aluminium oxide and aluminium silicate Not classified as dangerous cargo.	
Class:	None	
(XII) TOXICOLOGICAL IN	FORMATION:	
Acute Toxicity:	None	
Local Effects:	May cause local irritation to eyes, throat or skin but does not qualify as irritant according to EEC legislation	
Sensitisation:	Experience indicates that no unusual dermatitis hazard occurs from routine handling.	
Long Term Toxicity:	None	
Chronic Toxicity:	Does not contain measurable amounts of soluble Chromium (VI) potentially causing allergic skin eczema or cancer.	
(XIII) ECOLOGICAL INFO		
Mobility:	After hydration - the chemical combination that takes place when it is mixed with water (a few hours or days in moist and/or high humidity air conditions) the product is stable in soil and in water with a negligible mobility of its constituents.	
Persistence/Degradability:	No information available	
Bioaccumulation:		
Ecotoxicity:		
CONTACT:		
WAREHOUSE AND OFFICE:		
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124 NORTHERN ROAD WEST HEIDELBERG,	INTERNATIONAL TEL: +61 3 9457 6488 FAX: (03) 9458 4683	
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