

BEADCRETE POOL COATING

Material Safety Data Sheet
Beadcrete Pool Finishes

COMPANY DETAILS

CONCREATE CORPORATION

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Identification

Product Names : None Allocated
Other Names : None Allocated

U.N. Number : None Allocated

Dangerous Goods Class &
Subsudary Risk : None Allocated

Hazchem Code : None Allocated

Poisons Schedule : None Allocated

Use : Reflected colour hardener for internal surface application on concrete swimming pools.

Physical Description / Properties

Apperance : Powder form available in various colors.
Boiling Point/ Melting Point : Some components begin to melt at a a very high temperature (>1200C)
Vapour Pressure : Not applicable
Specific Gravity : Not applicable
Flashpoint : Not applicable
Flammability Limits : Not applicable
Solubility in Water : Cementitious component slightly soluble in water forming an alkaline (caustic) product.

Other Properties

Not explosive. Slight Odour. Hardens after mixing with water.

Ingredients	<u>CAS Number</u>	<u>Proportion</u>
Containing Portland Cement	65 97-15-1	10% to 60%
Crystalline Silica (Quartz)	14 08-60-7	10% to 60%
Properietry Ingredients		to 100%
Silica free glass bead	65997-17-3	5-15%

PRECAUTION FOR USE**EXPOSURE LIMITS**

Worksafe Austrilia Exposure Limits

Classified as inert nuisance dust.

Crystalline silica (quartz) : 0.2gm/m³ TWA (time weghr average) as respirable dust (7 micron partical equivalent aerodynamic diameter).

Dust (NOS - note otherwise specified) 10mg/m³ TWA as inspirable dust.

However, where a state or territory prescribes a lower exposure standard, the lower exposure standard applies.

MANUFACTURERS RECOMENDATIONS

Keep expopsure to dust as low as practicable. Inspirable dust level are kept below 2mg/m, health problems such as skin, eye and rspiratory irritation will be minimized.

Respirable crystalline silica (quartz) exposure level should be kept below 0.1mg/m TWA. Avoid repeated skin contact with wet concrete and dry and wet cement.

ENGINEERING CONTROL

Avoid generating dust. All work with cement should be carried out in such a way as to minimize exposure to dust and repeated skin contact. Where dust could be generated whilst handling cement., use local mechanical ventilation or extraction in areas whre dust could escape into work invironment. For bulk deliveries, close pumping systems are recomended.,For handling of individual bags, follow personal protecton instruction below if no local exhaust ventilation available.

Work areas should be cleaned regularly by wet sweeping or vacuuming. If generating dust cannot be avoided, see personal protection recommendations below.

EYES

Safety spectacle with side shields or safety goggles (dust resistant AS/NZS 1336) should be worn if dust is likely to be generated.

Respiratory

If dust is generated, wear a class P1 or P2 particulate repirator (AS/ANS 1715&1716) use only respirators which bear the Australian Standards mark and are fitted correctly. Note that persons with facial hair have difficulty in obtaining a satifactory face seal.

Flammability

Not flammable. Doeas not support combustion or other materials.

SAFE HANDLING INFORMATON**STORAGE AND TRANSPORT**

Storage Temp	:	Room Temp.
UN Class	:	None allocated
Packaging Group	:	None allocated
UN Number	:	None allocated
EPG Number	:	None allocated
Correct Shipping Name	:	None allocated

HEALTH HAZARD INFORMATION

ACUTE HEALTH EFFECT

Swallowing

May cause minor burning sensation and abdominal discomfort. Mild corrosive to mouth and throat.

Eye

Short term exposure: Irritating

Long Term exposure: Irritating, may cause inflammation of the cornea.

Skin

Short term exposure : Irritating

Long term exposure : Wet cement, especially as an ingredient in plastic (unhardened) concrete, Mortar or Slurry, is slightly caustic and can dry the skin and cause alkali burns.

There may also be trace amounts of water soluble hexavalent chromium present in Portland Cement which may cause allergic dermatitis to some individuals.

Inhaled

Irritating to nose, throat respiratory system causing coughing and sneezing.

CHRONIC HEALTH EFFECT

Inhaled

Repeated or prolonged inhalation of dust containing crystalline silica can cause bronchitis, silicosis (scarring of the lung) and lung cancer. It may also increase the risk of scleroderma (a disease affecting the connective tissue of the skin, joint, blood vessels and internal organ).

Studies have shown that smoking increase the risk of bronchitis, silicosis and lung cancer in persons exposed to crystalline silica. Crystalline silica is present in greater quantities in concrete by reason of the addition of sand and aggregate. Crystalline silica dust derived from the use of this product could be inadvertently inhaled during the dry cutting of the concrete.

Swallowed

Immediately wash the mouth and lips with water. DO NOT induce vomiting. Drink plenty of water to dilute stomach contents. Seek medical attention if symptoms persist. No health hazard expected with small ingested quantities.

Skin

Wash with tepid soapy water. A shower may be required.

Eyes

Irrigate with copious water for at least 15-30 minutes. Seek medical attention if eye irritation persists.

Inhaled

Move to fresh air. flush nasal passages, wash mouth, lips and throat with water. Seek immediate attention if symptoms persist.

Advice to Doctor/ First Aid Facilities

Treat symptomatically. Eye wash station. Fresh, clean water readily accessible at all times.

STORAGE ADVICE

Keep dry at all times. Storage of opened bags will effectively reduce the quality of product over time.

Transported as non-dangerous goods. Transportation by rail, road or ship in bag form. Keep dry in weatherproof vehicles and storage sheds.

SPIILL AND DISPOSALS

Follow safety requirements for personal protection under "Protectios for use" on skin, eye and respiratory protection and sweep. vacuu, or shovel whilst trying to minimize dust generation. Collect in containers and dispose as of a trade waste in accordance with local authority guidelines.

Keep out of sewer and storm drains.

Fire/ Explosion Hazard

Not flammable. Does not cause dust explosions.

DECOMPOSITION PRODUCTS

In case of small fire/ explosion use : Water

In case of major emergency : Water

HAZCHEM CODE: None allocated

Extinguishment: Water

Danger of Violent reaction or explosion? NO

Protective clothing: As for other chemicals present

Appropriate measures: Dilute

Evacuate: No

CONTACT POINT

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