

DESIGNER

CONCRETE COATINGS

MATERIAL SAFETY DATA SHEET (MSDS) DCC CONCRETE DENSIFIER

THIS PRODUCT IS CLASSIFIED HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

IDENTIFICATION

Other Names: None Allocated
Manufacturer's Product Code: None allocated

UN Number: None allocated
Dangerous goods class & subsidiary risk: None allocated
Hazchem Code: None allocated
Poisons Schedule Number: 5

Use: Dust arresting treatment for concrete or cement-based masonry flatwork surfaces

Physical Description/Properties – Liquid Form

Appearance: Clear to slightly cloudy low viscosity liquid.
Boiling Point:: Temperatures >100°C
Vapour Pressure: Not available
Specific Gravity: 1.4 (approximately)
Flashpoint: Not applicable
Flammable Limits: UEL – Not applicable / LEL – Not applicable
Solubility in Water: Soluble
Solubility in Organic Solvents: Not applicable

Other Properties Not explosive. Slight odour. Non flammable. pH >11

<u>Ingredients</u>	<u>CAS Number</u>	<u>Proportion % Weight</u>
Alkaline Inorganic Salts	Non allocated	30% to 60%
Non-Hazardous Ingredients		To 100%
• Non-hazardous ingredients are exempted according to NOHSC and SUSDB Standards		

HEALTH HAZARD INFORMATION

ACUTE HEALTH EFFECTS

Swallowed

Harmful if swallowed: The alkalinity nature of the product may cause severe abdominal pain in certain individuals.

Eye

Short term exposure:irritating

Long term exposure: irritating, may cause inflammation of the cornea

Skin

Short term exposure: Irritating

Long term exposure: May cause allergic dermatitis to some individuals.

Inhaled

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

CHRONIC HEALTH EFFECTS

Not a carcinogen, mutagen or teratogen. Avoid repeated and prolonged contact with skin and eyes. Strong alkalinity nature may cause burns. Wash exposed body areas thoroughly after product use.

FIRST AID TREATMENT**Swallowed**

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

Skin

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

Eyes

Immediately irrigate with copious quantity of 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 medical attention if symptoms persist.

Advice to doctor/First Aid Facilities

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

PRECAUTIONS FOR USE

EXPOSURE LIMITS**Worksafe Australia exposure Standard**

Not available

MANUFACTURERS RECOMMENDATIONS

Keep exposure to ingredients as low as practicable.

Ventilation is recommended during normal use conditions.

Keep containers sealed if not in use.

ENGINEERING CONTROLS

All work with Alkaline products should be carried out in such a way as to minimise exposure to eyes & nose and repeated skin contact. Where exposure to materials handling does occur in manufacturing and storage facilities, use local mechanical ventilation or extraction in areas where hard-state alkaline salts could escape into the work environment. For handling of materials, follow personal protection instructions below.

Work areas should be cleaned regularly by vacuum cleaning method.

PERSONAL PROTECTION

Skin

Wear loose comfortable protective clothing and impervious boots. Wear gloves (AS 2161). Wash skin-exposed areas thoroughly after handling. Launder clothes regularly and keep separate from other clothes.

Eyes

Wear safety spectacles with side shields or safety goggles (dust resistant AS/NZS 1336) if dust is likely to be generated.

Respiratory

If dust is generated, wear a class P1 or P2 particulate respirator (AS/NZS 1715 & 1716). Use only respirators which bear the Australian Standards mark and are fitted correctly. Note that persons with facial hair will have difficulty in obtaining a satisfactory face seal. For alternatives, see AS/NZS 1715: Selection and Use of Respiratory Protective Devices.

Flammability

Non flammable constituents. External sources of ignition unlikely to cause flame. However, if packaging containers are exposed to flame or extreme heat sources they may melt, drip and/or emits smoke. Extinguishing media – use Foam, CO₂ or Dry Chemical.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

Storage Temperature:	5°C to 35°C
UN Class:	None allocated
Packaging Group:	None allocated
UN Number:	None allocated
EPG Number:	None allocated
Correct Shipping Name:	None allocated
Storage Advice:	Keep dry at all times. Store undercover and absent from moisture and frost exposure conditions. Storage incompatibilities include acids & foodstuffs; and metals & alloys – aluminium, copper, bronze, zinc, tin. Classified as a non-dangerous good under the Australian Transport of Dangerous Goods Code.

Transport by rail, road or ship in packaged container form. Keep dry in weatherproof vehicles and storage sheds.

SPILLS AND DISPOSAL

Follow safety requirements for personal protection. If spills occur, vacuum dry hard-state material so as to minimise dust generation. Collect in containers and dispose of as trade waste in accordance with local authority guidelines. Keep out of sewer and storm water drains.

FIRE / EXPLOSION HAZARD

The material will not burn or explode. Some constituents in dry form and packaging containers can emit smoke. Fire fighters may require self contained breathing apparatus in bulk storage situations.

DECOMPOSITION PRODUCTS

In case of small fire/explosion use:	Foam, CO ₂ or dry chemical.
In case of major emergency:	Water
HAZCHEM CODE:	None allocated
Extinguishment:	As for other chemicals present
Danger of violent reaction or explosion:	No
Protective clothing:	As for other chemicals present

Appropriate measures: Dilute

Evacuate: No. May require evacuation assessment in bulk storage situations or for other chemical present.

OTHER INFORMATION

Smoking: Cigarette smoking increases the risk of occupational respiratory diseases. It is recommended that all storage and work areas should be smoke-free zones.

CONTACT POINT

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This Materials Safety Data Sheet has been prepared in accordance with the guidelines stipulated in the "Worksafe" legislation encompassing the "Occupational Health and Safety Act – 1983" (as amended). All information is summarised and is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its full reliability or completeness but is considered the appropriate information required by the user in the context of how the product must be handled and used in the workplace and including in conjunction with other products or materials present.