

DESIGNER

CONCRETE COATINGS

SAFETY DATA SHEET (SDS) RELEASE AGENT - POWDER



Warning: Irritant Constituents According to Safe Work Australia.

IDENTIFICATION

Other Names: N/A
Manufacturer's Product Code: None allocated

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

Use: Release agent in pigmented colour/plain powder used in conjunction with stamp-mat patterned surface-formed decorative concrete applications.

Physical Description/Properties

Appearance: Powder form available in various colours.
Boiling Point/Melting Point: N/A
Vapour Pressure: N/A
Specific Gravity: N/A
Flashpoint: >250°C (P.M.C.C.)
Flammable Limits: N/A
Relative Density: 30 – 50 g/100ml (20°C)
Solubility in Water: Insoluble

Other Properties: Not explosive. Slight 'fatty' odour. Chemical description: Stearate.

Ingredients	CAS Number	Proportion % - Typical
Calcium Stearate	1592-23-0	< 50
Calcium Carbonate	N/A	> 50
Proprietary Ingredients – (+non heavy metal pigments)		To 100%

All ingredients in this product preparation are listed in the AICS (Australian Inventory of Chemical Substances)

HEALTH HAZARD INFORMATION



ACUTE HEALTH EFFECTS (Warning)

Swallowed

May cause minor drying or increased flow of mucous membranes but no other potential adverse health effects expected from minor ingested quantities. In the unlikely event the product is consumed in an abnormal amount then the toxic risk should be considered a potential danger to health. Seek immediate medical attention.

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 (Warning)

Avoid prolonged and repeated inhalation and exposure to skin & eyes. It is the individual user's responsibility to wear the suitable personal protection advised and recommended for use when handling the product and to adopt safe work practices that significantly reduce risk of damage to respiratory organs and substance contact with skin & eyes in the workplace and where the product may be used for its intended purpose.

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 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 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 (WARNING)

Safe Work Australia exposure Standard

Maximum 10ppm / 8-hour working day recommended.

Dust (NOS – not 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 RECOMMENDATIONS

Keep exposure to dust as low as practicable. If inspirable dust levels are kept below 2 mg/m³, health problems such as skin, eye and respiratory irritation will be minimised.

ENGINEERING CONTROLS

Avoid generating dust. All work with dust generating materials should be carried out in such a way as to minimise exposure to airborne particles and repeated skin, respiratory & eye contact. Where dust could be generated whilst handling the material in the workplace, use local mechanical ventilation or extraction in areas where dust could escape into the work environment. Local exhaust use face velocity > 20m/min. For handling of individual bags, follow personal protection instructions below.

Work areas should be cleaned regularly by wet sweeping or vacuuming.

PERSONAL PROTECTION

Skin

Wear loose comfortable protective clothing and impervious boots. Wear gloves (AS 2161) or use approved barrier creams to protect hands. 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

Not flammable. Does not support combustion of other materials.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

Storage Temperature:	Room temperature
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. Storage of opened bags will effectively reduce the quality of the product over time. Classified as a non-dangerous good under the Australian Transport of Dangerous Goods Code. Do not store with foodstuffs or food packaging. Do not store with Class 5.1 strong oxidising agents.

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



SPILLS AND DISPOSAL

Follow safety requirements for personal protection. If spills occur, vacuum or wet sweep and shovel 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. Does not cause violent dust explosions.

DECOMPOSITION PRODUCTS

In case of small fire/explosion use:	Water
In case of major emergency:	Water
HAZCHEM CODE:	None allocated
Extinguishment:	Water, or as for other chemicals present
Danger of violent reaction or Explosion:	No. Minimum explosive concentration $\leq 25\text{g/m}^3$
Protective clothing:	As for other chemicals present
Appropriate measures:	Dilute
Evacuate:	No

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 – General Information.

Designer Concrete Coatings Pty Ltd. Tel: + 61 2 9829 3311 FAX: + 61 2 98293544

19 Liverpool Street, Ingleburn, NSW, 2565

Date of Issue: 10 January 2022

This Safety Data Sheet (SDS) has been prepared in accordance with the "Safe Work Australia Guide" Code of Practice. All information contained herein is summarised and is as accurate up-to-date as possible. No warranty expressed or implied is made 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 present. It is the user's responsibility to determine the safety, risk and fitness-for-purpose of the product under the conditions and environment where the product is intended to be used. Designer Concrete Coatings Pty Ltd shall not be liable for personal injury or property damage associated with use or misuse of the product.