

DESIGNER

CONCRETE COATINGS

MATERIAL SAFETY DATA SHEET

MSDS Release Agent

Date of Issue Nov.2004

RELEASE AGENT

Company Details

Designer Concrete Coatings Pty Ltd
8 Jayelem Crescent, Padstow, NSW 2211, Australia
Tel: (02) 9771 5511 Fax: (02) 9771 5744
Emergency Telephone: 000

Product Information

This Product is classified as not hazardous according to criteria of Worksafe Australia

Product Names:	Release Agent
Product Use:	Release agent in pigmented colour/plain powder form for decorative concrete stamp mats.
Shipping Name:	NAS
U.N. Number:	NAS
D.G. Class:	NAS (Not classified hazardous or dangerous good)
Hazard Category:	Xi Irritant
Hazchem Code:	NAS
Packaging Group:	NAS
Poisons Schedule:	NAS
Chemical Description:	Stearate.

Potential Health Effects:	Acute Inhalation: dust concentrations may result in possible irritation to throat and lungs. Skin: may cause minor skin irritation but not considered hazardous. Eye: may cause moderate eye irritation dependent upon exposure conditions and ventilation. Ingestion: no adverse effects if swallowed. Do not induce vomiting. Drink water.
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Physical Description / Properties

Appearance:	Coloured powder.
Odour:	Distinctive bland/fatty odour.
Boiling Point (°C):	N/A
pH:	NAS
Relative Density:	30 – 50 G/100ml (20°C)
Shelf Life:	12 – 18 months.
Vapour Density:	NAS
Flammability Limits:	N/A
Solubility in Water:	Will not occur

Solubility in Organic Solvents: N/A
Vapour Pressure (kPa): N/A
Volatiles %: N/A

Flash Point (°C): >250 (P.M.C.C.)
Auto Ignition Temp. N/A

Ingredients

Chemical Entity	C.A.S. Number	Proportions %
Calcium Stearate	1592-23-0	< 50%
Calcium Carbonate	N/A	> 50%
Proprietary Ingredients		to 100%

Health Hazard Information

Health Effects

Effects of overexposure – Acute

May dry mucous but no potential adverse effects expected due to the unlikelihood of ingestion in sufficient quantities so as to cause harm. May cause eye irritation and discomfort to throat/lungs if regularly inhaled.

Effects of Exposure – Chronic

Prolonged or repeated contact with the skin/eyes/throat may cause chronic irritation.

Emergency and First Aid Procedures

Swallowed

Do not induce Vomiting. Flush mouth with water then drink milk or water. Seek medical advice.

Eye

Immediately hold open eyes and flush with water continuously for at least fifteen minutes. Seek medical attention.

Skin

Remove contaminated clothing and wash affected area with plenty of soap and water

Inhaled

Remove to fresh air immediately. Keep at rest until fully recovered. Seek medical attention.

First Aid Facilities

Safety shower and/or eye wash basin desirable.

Advice to Doctor

Treat symptomatically. High concentration exposure may cause increased mucous flow in nose and respiratory tracts to some people.

Precautions for Use

Exposure Standards

Occupational exposure standards assigned recommend maximum 10ppm / 8 hour working day based on airborne contaminants concentrations.

Engineering controls

Use only with adequate ventilation. Local exhaust use face velocity > 20m/min. Keep containers closed when not in use. Avoid causing high concentration dust particles becoming airborne.

Ecological Information

No specific eco-toxicity data is available on calcium stearate but is regarded as potentially hazardous to aquatic environments. Therefore, all precautions and due diligence must be taken to avoid exposure to waterways, drainage discharge points and watercourse catchments.

Disposal

Do not hose spills down drains, sewers or into waterways. Contact local waste disposal authority for advice or via a licensed waste disposal company for disposal.

Personal Protective Equipment

Use suitable protective equipment. Avoid skin and eye contact and acute inhalation particularly in places with limited ventilation. Glove material should be chemical resistant (AS2161). Cotton overalls recommended. Wear goggles resistant to dust intrusion (AS1336) Use respiratory mask recommended (AS1716). Wash hands/face after exposure and avoid consuming food/beverages where product is stored.

Safe Handling Information

Storage and Transport

Store in a dry well ventilated area. Must be stored in accordance with State poisons regulations away from foodstuffs and food packaging. Do not stow or store with strong oxidizing agents (Class 5.1) This product is not classified as being hazardous in accordance with Australian Code for the transport of Dangerous Goods by road or by rail (A.C.T.D.G.).

Spill

Minimise spread of airborne dust. Clean/vacuum up immediately. Use protective clothing to avoid skin and eye contact. Ventilate area thoroughly and wear a ventilator as required to minimise inhalation. Place spill material in sealable containers for disposal. Move leaking containers to well-ventilated area. Empty containers can retain dust particles that may present irritant hazards. Dispose in accordance with waste authority regulations. Prevent entry into drains, sewers and waterways. Where spills generate major dust concentrations in confined areas then immediately isolate/eliminate all ignition sources to prevent potential 'airborne dust explosion hazard'.

Regulatory Information

NRA:	Not required	
TGA:	Not required	
Poisons Schedule:	NAS	
Hazardous substances:	Category:	Xi Irritant.
	Risk Phrases:	NAS
	Safety Phrases:	S2 – Keep out of reach of children. S24/25 – Avoid contact with skin & eyes. S62 – If swallowed, do not induce vomiting; seek medical advice, show this MSDS.

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Fire / Explosion Hazard

Explosion Limit Upper:	N/A
Explosion Limit Lower:	N/A
Dust Explosion Hazard:	Minimum explosive concentration 25g/m ³
Hazardous Decomposition Products:	Carbon dioxide and carbon monoxide released in fire.
Hazardous Polymerisation Products/Reactions:	Unlikely to occur.
Extinguishing Media:	Dry chemical powder, foam, carbon dioxide. Keep drums cool with water spray.
Other Precautions:	Fire fighter should wear self-contained breathing apparatus in fire situations.
Flammability:	Non Flammable.

Contact Points

Designer Concrete Coatings:	(02) 9771 5511
Poisons Information Center:	131 126
Fire Brigade:	000
Ambulance:	000
Police:	000

This company cannot anticipate all conditions under which this MSDS information and our products may be used. Users are advised to make their own tests to determine the safety and suitability of each product. All information in this MSDS is as up to date as possible. No warranty expressed or implied is made to the accuracy, reliability or completeness of this data. Designer Concrete Coatings Pty Ltd assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such vendors or users assume all risks associated with the use of the material.

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