

MATERIAL SAFETY DATA SHEET

POWER RELEASE

COMPANY IDENTIFICATION

Flex Stone Inc.

3, Ambica Industrial Estate, B/H Super Atta, Viramgam Road, Village Iyava, Taluka – Sanand.

MOB: (+91) 9374005151

PRODUCT INFORMATION

- **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.

PHYSICAL DESCRIPTION / PROPERTIES

Appearance	Coloured powder
Odour	Distinctive bland/fatty odour
Boiling Point	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

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

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.

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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)

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'.

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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.

Fire / Explosion Hazard

- Explosion Limit Upper: N/A
- Explosion Limit Lower: N/A
- Dust Explosion Hazard: Minimum explosive concentration 25g/m³
- 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