



Globally Proven
Construction Solutions

Safety Data Sheet

1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): DURAGROUT™ HF

MANUFACTURER'S/ DISTRIBUTOR'S NAME: LATICRETE South East Asia Pte Ltd
38 Sungei Kadut,
Street 2 (Level2 A3),
Singapore 729245.

Phone number for additional information: (65) 6515 3028

Date prepared or revised: 18/12/2016

2. COMPOSITION INGREDIENTS

Chemical Names	CAS NUMBERS	%
Silica Sand	14808-60-7	45-50
Portland Cement	65997-15-1	45-50
Chemical Additive	Trade Secret	<1
Sodium Sulfate, anhydrous	7757-82-6	1-2

3. HEALTH HAZARD INFORMATION



SYMPTOMS OF OVEREXPOSURE for each potential route of exposure. (Possible Longer Term Effects) : N/A

Inhalation: Dust irritates the respiratory system, and may cause coughing and difficulties in breathing.



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Skin contact: Causes skin irritation. May cause an allergic skin reaction. Prolonged contact with wet cement/mixture may cause burns.

Eye contact: Causes serious eye damage. Prolonged contact with wet cement/mixture may cause burns.

Ingestion: Swallowing may cause gastrointestinal irritation.

Symptoms related to the physical, chemical and toxicological characteristics: Rash. Coughing. Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects.

Information on toxicological effects

Acute toxicity: May cause respiratory irritation.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye damage.

4. FIRST AID: EMERGENCY PROCEDURES

Inhaled : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Contact with skin or eyes : Wash off with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately

Swallowed : Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed: Rash. Coughing. Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects.



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5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Firefighting equipment/instructions: In case of fire and/or explosion do not breathe fumes.

General fire hazards: No unusual fire or explosion hazards noted.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Keep upwind. Avoid formation of dust. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.

Methods and materials for containment and cleaning up: Stop the flow of material, if this is without risk. Sweep or shovel up material and place in a clearly labeled container for waste. Collect dust using a vacuum cleaner. Following product recovery, flush area with water.

Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Wear appropriate personal protective equipment. Do not breathe dust. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed. Store in a cool, dry place out of direct sunlight.



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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Ventilation and engineering controls : Good general ventilation should be sufficient for most conditions.
- Biological Limite Values : No biological exposure limits noted for the ingredient(s).
- Exposure guideline : Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.
- Appropriate engineering controls : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.
- Eye/face protection (type goggles). : Wear safety glasses with side shields (or goggles).
- Hand Protection : Wear chemical-resistant, impervious gloves..
- Other : Wear appropriate chemical resistant clothing.
- Respiratory protection exposure limits. : Wear a dust mask if dust is generated above exposure limits.
- Thermal hazards when necessary. : Wear appropriate thermal protective clothing,
- General hygiene considerations : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Relative density	: 2.2g/cm ³ (25°C (77F))
Melting point or range, °C	: N/A
Boiling point or range, °C	: N/A
pH	: N/A
Flash point	: N/A
Solubility in water	: insoluble
Evaporation rate (butyl acetate = 1)	: N/A
Vapor pressure, mmHg at 20°C	: N/A
Appearance	: Solid, Grey powder

10. STABILITY AND REACTIVITY

Stability	: Stable
Conditions to avoid	: Contact with incompatible materials.
Incompatibility (materials to avoid)	: Strong oxidizing agents.
Hazardous decomposition products	: N/A

11. TOXICOLOGY INFORMATION

N/A

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATIONS

Dispose in compliance with local, state, and federal regulations.



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14. TRANSPORT INFORMATION

No special labeling or transportation placarding is required.

15. REGULATORY INFORMATION

Not classified as dangerous under current regulation.

16. OTHER INFORMATION

This information is furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate.