



Globally Proven
 Construction Solutions

Safety Data Sheet

1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): FGS Hardener

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: 28/02/2019

2. COMPOSITION INGREDIENTS

Chemical Names	CAS NUMBERS	Percent
Sodium silicate	1344-09-8	10 - 13

3. HEALTH HAZARD INFORMATION

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

SIGNS AND SYMPTOMS OF EXPOSURE (Acute effects)

Inhaled : In high concentrations, vapors may be irritating to the respiratory system.

Contact with skin or eyes : Causes serious eye damage and skin irritation.

Absorbed through skin : N/A

Swallowed : Ingestion may cause irritation and malaise.

SUSPECTED CANCER AGENT?

NO: This product's ingredients are not found in the lists.



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4. FIRST AID: EMERGENCY PROCEDURES

Eye Contact : Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Skin Contact : Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Get medical attention immediately.

Inhaled : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Swallowed : Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES

Flash Point method : Non-flammable or combustible in liquid form

Auto ignition temperature (°C) : N/A

Flammable limits in air, volume % : N/A

Fire extinguishing materials : Water spray, foam, dry powder or carbon dioxide.

Special fire fighting procedures : Do not use water jet as an extinguisher, as this will spread the fire. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.

Unusual fire and explosion hazards : By heating and fire, irritating vapors/gases may be formed.

6. ACCIDENTAL RELEASE MEASURES

Spill response procedures (include employee protection measures) :

Keep unnecessary personnel away. 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.



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Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling: Do not breathe mist or vapor. Do not get in eyes, on skin, on clothing. Use with adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed. Store in a cool and well-ventilated place. Store away from incompatible materials.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and 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.

Respiratory protection (type) : In case of insufficient ventilation, wear suitable respiratory equipment.

Eye protection (type) : Chemical goggles or safety glasses with side shields.

Gloves (specify material) : Use impervious gloves, vinyl or rubber.



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Other clothing and equipment : Wear clean, long-sleeved, body-covering clothing.

Work practices, hygienic practices : Maintain good housekeeping standards.

Other handling and storage requirements : N/A

Protective measures during maintenance of contaminated equipment: See above.

8. PHYSICAL AND CHEMICAL PROPERTIES

Relative density : 1.39

Melting point or range, °C : N/A

Boiling point or range, °C : N/A

pH : 11.3

Specific gravity : N/A

Flash point : Non-flammable

Solubility in water : Soluble

Evaporation rate (butyl acetate = 1) : N/A

Vapor pressure, mmHg at 20°C : N/A

Appearance and odor : Green liquid, odorless.

HOW TO DETECT THIS SUBSTANCE (warning properties of substance as a gas, vapor, dust, or mist)

9. STABILITY AND REACTIVITY

Stability : Stable

Conditions to avoid : Heat, flames and sparks. Contact with incompatible materials.

Incompatibility (materials to avoid) : Strong acids.

Hazardous decomposition products : Silicon oxides.



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Hazardous polymerization : Will not occur

10. TOXICOLOGY INFORMATION

N/A

11. ECOLOGICAL INFORMATION

N/A

12. DISPOSAL CONSIDERATIONS

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

13. TRANSPORT INFORMATION

No special labeling or transportation placarding is required.

14. REGULATORY INFORMATION

DOT

Not regulated as dangerous goods

IATA

Not regulated as dangerous goods

IMDG

Not regulated as dangerous goods

**Transport in bulk according to
 Annex II of MARPOL 73/78 and
 the IBC Code**

Not applicable.

15. 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.