



**Globally Proven
 Construction Solutions**

Safety Data Sheet

1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): STONETECH® KlenzAll™ Cleaner Concentrate

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: 17/09/2018

2. COMPOSITION INGREDIENTS

Chemical Names	CAS NUMBERS	Percent
2-Aminoethanol	141-43-5	1 - 5
Alcohol Ethoxylate	Trade Secret	1 - 5
Dipropylene glycol butyl ether	29911-28-2	1 - 5
Ethoxylated Quaternary Amine	Trade Secret	1 - 5

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 severe skin burns and serious eye damage.
- Absorbed through skin : N/A
- Swallowed : May cause discomfort if swallowed.



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SUSPECTED CANCER AGENT?

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

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 : Remove contaminated clothing immediately and wash skin with soap and water. 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.

5. FIRE FIGHTING MEASURES

Flash Point method : N/A

Auto ignition temperature (°C) : N/A

Flammable limits in air, volume % : N/A

Fire extinguishing materials : Water fog. Dry chemical powder. Carbon dioxide (CO₂).

Special firefighting 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 : Fire may produce irritating, corrosive and/or toxic gases.

6. ACCIDENTAL RELEASE MEASURES

Spill response procedures (include employee protection measures) :

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged



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containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.

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. Prevent product from entering drains. 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: Avoid inhalation of vapors and contact with skin, eyes and clothing. Use with adequate ventilation. Do not taste or swallow. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage: Keep container tightly closed. Store in a cool and well-ventilated place. Protect from freezing. Store away from incompatible materials.

8. 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.



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

9. PHYSICAL AND CHEMICAL PROPERTIES

- Relative density : 1.003
- Melting point or range, °C : N/A
- Boiling point or range, °C : 100 °C
- pH : 11.5 – 12.5
- Specific gravity : N/A
- Flash point : N/A
- Solubility in water : N/A
- Decomposition temperature : > 200 °C
- Vapor pressure, mmHg at 20°C : N/A
- Appearance and odor : Light yellow liquid, mild odor.

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

10. STABILITY AND REACTIVITY

- Stability : Stable
- Conditions to avoid : Heat, flames and sparks.
- Incompatibility (materials to avoid) : Acids. Strong oxidizing agents.
- Hazardous decomposition products : Carbon dioxide. Carbon monoxide. Nitrogen oxides.



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Hazardous polymerization : Will not occur

11. TOXICOLOGY INFORMATION

Acute toxicity May cause discomfort if swallowed

Components	Species	Test Results
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2-Aminoethanol (CAS 141-43-5)

Acute

Dermal

LD50	Rabbit	1025 mg/kg
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Oral

LD50	Rat	1715 mg/kg
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Alcohol Ethoxylate (CAS Trade Secret)

Acute

Dermal

LD50	Rabbit	200 - 5000 mg/kg
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Oral

LD50	Rat	1100 mg/kg
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Ethoxylated Quaternary Amine (CAS Trade Secret)

Acute

Oral

LD50	Rat	580 mg/kg
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Skin corrosion/irritation Causes severe skin burns and eye damage.

Serious eye damage/eye irritation Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization No data available

Skin sensitization Not a skin sensitizer.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.



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Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed

Reproductive toxicity No data available.

Specific target organ toxicity -single exposure No data available.

Specific target organ toxicity -repeated exposure No data available.

Aspiration hazard Not classified.

Chronic effects Prolonged or repeated contact may dry skin and cause dermatitis. May cause damage to liver and kidney.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic life with long lasting effects.

Components	Species	Test Results
2-Aminoethanol (CAS 141-43-5)		
Aquatic		
Algae	EC50 Selenastrum capricornutum (new name Pseudokirchnerella subca)	2.5 mg/l, 48 hours
Crustacea	EC50 Daphnia magna	65 mg/l, 48 hours
Fish	LC50 Cyprinus carpio	349 mg/l, 96 hours

Persistence and degradability: The product is readily biodegradable.

Bioaccumulative potential: Not likely to bioaccumulate in aquatic organisms.

Partition coefficient n-octanol / water (log Kow)

2-Aminoethanol (CAS 141-43-5) -1.31

Mobility in soil: Not available



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Other adverse effects: The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT

UN number	UN2491
UN proper shipping name	Ethanolamine solutions
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	III
Environmental hazards	
Marine pollutant	No
Special precautions for user:	Read safety instructions, SDS and emergency procedures before handling.
Special provisions:	IB3, T4, TP1
Packaging exceptions	154
Packaging non bulk	203
Packaging bulk	241

IATA

UN number	UN2491
UN proper shipping name	Ethanolamine solution
Transport hazard class(es)	
Class	8
Subsidiary risk	-



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Packing group III
Environmental hazards No
ERG Code 8L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number UN2491
UN proper shipping name ETHANOLAMINE SOLUTION
Transport hazard class(es)

Class 8
Subsidiary risk -

Packing group III
Environmental hazards
Marine pollutant No
EmS F-A, S-B
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

General information IATA classification is not relevant as the material is not transported by air

15. REGULATORY INFORMATION

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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.