



Globally Proven  
Construction Solutions

# Safety Data Sheet

## 1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): STONETECH® Restore™ Acidic Cleaner

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
Orthophosphoric acid	7664-38-2	10 - 20
Glycolic acid	79-14-1	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 : Causes severe respiratory tract irritation.

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

Absorbed through skin : N/A

Swallowed : Harmful if swallowed.

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. Chemical burns must be treated by a physician. 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.

## 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** : Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**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 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. 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:** 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:** Keep container tightly closed. Store in a cool and well-ventilated place. 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 with side shields. Face-shield.
Gloves (specify material)	: Use impervious gloves, vinyl or rubber.
Other clothing and equipment	: Wear clean, long-sleeved, body-covering clothing.



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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 : 1.109

Melting point or range, °C : N/A

Boiling point or range, °C : N/A

pH : < 1

Specific gravity : N/A

Flash point : Does not flash.

Solubility in water : N/A

Decomposition temperature : > 200 °C

Vapor pressure, mmHg at 20°C : N/A

Appearance and odor : Colorless 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. Contact with metals. Metals.

Incompatibility (materials to avoid) : Strong bases. Strong oxidizing agents. Strong alkalis.  
 Cyanides. Sulfides. Metals.

Hazardous decomposition products : Phosphine. Oxides of phosphorous.

Hazardous polymerization : Will not occur



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## 11. TOXICOLOGY INFORMATION

Acute toxicity Harmful if swallowed.

Components	Species	Test Results
<b>Orthophosphoric acid (CAS 7664-38-2)</b>		
<b>Acute</b>		
Dermal		
LD50	Rabbit	2740 mg/kg
Oral		
LD50	Rat	1530 mg/kg

## 12. ECOLOGICAL INFORMATION

Ecotoxicity : The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
<b>Orthophosphoric acid (CAS 7664-38-2)</b>		
Aquatic		
Fish	LC50 Mosquitofish (Gambusia)	138 mg/l, 96 h

## 13. DISPOSAL CONSIDERATIONS

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



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## 14. TRANSPORT INFORMATION

### DOT

UN number	UN1760
UN proper shipping name	Corrosive liquids, n.o.s. (Orthophosphoric acid, Glycolic acid)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	II
Environmental hazards	
Marine pollutant	No
Special precautions for user before handling.	Read safety instructions, SDS and emergency procedures
Special provisions	B2, IB2, T11, TP2, TP27
Packaging exceptions	154
Packaging non bulk	202
Packaging bulk	242

### IATA

UN number	UN1760
UN proper shipping name	Corrosive liquid, n.o.s. (Orthophosphoric acid, Glycolic acid)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	II
Environmental hazards	No
ERG Code	8L
Special precautions for user before handling.	Read safety instructions, SDS and emergency procedures

### IMDG

UN number	UN1760
UN proper shipping name	CORROSIVE LIQUID, N.O.S. (Orthophosphoric acid, Glycolic acid)
Transport hazard class(es)	



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Class	8
Subsidiary risk	-
Packing group	II
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.*