



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** STONETECH® KlenzAll™ Cleaner Concentrate

**Other means of identification** None.

### Recommended use of the chemical and restrictions on use

**Recommended use** Cleaner for natural stone & tile surfaces.

**Restrictions on use** Not available.

### Details of manufacturer or importer

**Company name** LATICRETE International

**Address** 1 Laticrete Park, N  
Bethany, CT 06524

**Telephone** (203)-393-0010

**Contact person** Steve Fine

**Website** www.laticrete.com

**Emergency phone number** Call CHEMTREC day or night  
USA/Canada - 1.800.424.9300  
Mexico - 1.800.681.9531  
Outside USA/Canada  
1.703.527.3887

### Supplier

**Company name** LATICRETE Australia

**Address** P.O. Box 508  
Virginia Business Mail Centre  
29 Telford Street  
VIRGINIA QLD 4014  
Australia

**Telephone** (61) (7) 3865-1599

**Website** www.laticrete.com

**Emergency phone number** 1.703.527.3887

## 2. Hazard(s) identification

### Classification of the hazardous chemical

**Physical hazards** Not classified.

**Health hazards** Skin corrosion/irritation Category 1B

Serious eye damage/eye irritation Category 1

**Environmental hazards** Hazardous to the aquatic environment, long-term hazard Category 3

### Label elements, including precautionary statements

**Hazard symbol(s)**



Corrosion

**Signal word** Danger

**Hazard Statement(s)** Causes severe skin burns and eye damage. Harmful to aquatic life with long lasting effects.

**Precautionary Statement(s)**

**Prevention** Do not breathe mist or vapour. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Avoid release to the environment.

<b>Response</b>	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE/doctor.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Other hazards which do not result in classification</b>	None known.
<b>Supplemental information</b>	None.

### 3. Composition/information on ingredients

#### Mixture

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
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

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

#### Description of necessary first aid measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention immediately.
<b>Eye contact</b>	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.
<b>Ingestion</b>	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.
<b>Personal protection for first-aid responders</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
<b>Symptoms caused by exposure</b>	Permanent eye damage including blindness could result. Headaches, nausea and vomiting.
<b>Medical attention and special treatment</b>	Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

### 5. Fire-fighting measures

#### Extinguishing media

<b>Suitable extinguishing media</b>	Water fog. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Fire may produce irritating, corrosive and/or toxic gases.
<b>Special protective equipment and precautions for fire fighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.
<b>Hazchem Code</b>	2X
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

**For emergency responders** Use personal protection recommended in Section 8 of the SDS. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Environmental precautions** Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Environmental manager must be informed of all major releases.

**Methods and materials for containment and cleaning up** 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.

Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS.

**Other issues relating to spills and releases** Clean up in accordance with all applicable 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, including any incompatibilities** Keep container tightly closed. Store in a cool and well-ventilated place. Protect from freezing. Store away from incompatible materials (See Section 10).

## 8. Exposure controls and personal protection

**Control parameters** Follow standard monitoring procedures.

### Occupational exposure limits

#### Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

Components	Type	Value
2-Aminoethanol (CAS 141-43-5)	STEL	15 mg/m <sup>3</sup>
	TWA	6 ppm
		7.5 mg/m <sup>3</sup>
		3 ppm

#### Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

Components	Type	Value
2-Aminoethanol (CAS 141-43-5)	STEL	15 mg/m <sup>3</sup>
	TWA	6 ppm
		7.5 mg/m <sup>3</sup>
		3 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value
2-Aminoethanol (CAS 141-43-5)	STEL	6 ppm
	TWA	3 ppm

#### UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
2-Aminoethanol (CAS 141-43-5)	STEL	7.6 mg/m <sup>3</sup>
	TWA	3 ppm
		2.5 mg/m <sup>3</sup>
		1 ppm

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

Components	Type	Value	Form
2-Aminoethanol (CAS 141-43-5)	TWA	0.51 mg/m <sup>3</sup>	Vapor and aerosol.
		0.2 ppm	Vapor and aerosol.
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).		
<b>Appropriate engineering controls</b>	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.		
<b>Individual protection measures, for example personal protective equipment (PPE)</b>			
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles). Wear a full-face respirator, if needed.		
<b>Skin protection</b>			
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.		
<b>Other</b>	Wear appropriate chemical resistant clothing. Frequent change is advisable.		
<b>Respiratory protection</b>	In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment.		
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.		
<b>Hygiene measures</b>	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.		

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Colour</b>	Light yellow.
<b>Odour</b>	Mild.
<b>Odour threshold</b>	Not available.
<b>pH</b>	11.5 - 12.5
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	100 °C (212 °F)
<b>Flash point</b>	does not flash
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	1.003
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	> 200 °C (> 392 °F)
<b>Viscosity</b>	No data available.

## Other physical and chemical parameters

VOC 2.8 %

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Acids. Strong oxidising agents.
<b>Hazardous decomposition products</b>	Carbon dioxide. Carbon monoxide. Nitrogen oxides.

## 11. Toxicological information

### Information on possible routes of exposure

<b>Inhalation</b>	In high concentrations, vapours may be irritating to the respiratory system.
<b>Skin contact</b>	Causes severe skin burns.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	May cause discomfort if swallowed.

**Symptoms related to exposure** Permanent eye damage including blindness could result. Headaches, nausea and vomiting.

**Acute toxicity** May cause discomfort if swallowed.

<b>Components</b>	<b>Species</b>	<b>Test results</b>
2-Aminoethanol (CAS 141-43-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	1025 mg/kg
<i>Oral</i>		
LD50	Rat	1715 mg/kg
Alcohol Ethoxylate (CAS Trade Secret)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	200 - 5000 mg/kg
<i>Oral</i>		
LD50	Rat	1100 mg/kg
Ethoxylated Quaternary Amine (CAS Trade Secret)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	580 mg/kg
<b>Skin corrosion/irritation</b>	Causes severe skin burns and eye damage.	
<b>Serious eye damage/irritation</b>	Causes serious eye damage.	
<b>Respiratory or skin sensitisation</b>		
<b>Respiratory sensitisation</b>	No data available.	
<b>Skin sensitisation</b>	Not a skin sensitiser.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
<b>Reproductive toxicity</b>	No data available.	
<b>Specific target organ toxicity - single exposure</b>	No data available.	
<b>Specific target organ toxicity - repeated exposure</b>	No data available.	
<b>Aspiration hazard</b>	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)			
<b>Aquatic</b>			
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** No data available.

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

## 13. Disposal considerations

**Disposal methods** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Residual waste** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### ADG

**UN number** 2491  
**UN proper shipping name** ETHANOLAMINE SOLUTION  
**Transport hazard class(es)**  
**Class** 8  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards** No  
**Hazchem Code** 2X  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

### RID

**UN number** 2491  
**UN proper shipping name** ETHANOLAMINE SOLUTION  
**Transport hazard class(es)**  
**Class** 8  
**Subsidiary risk** -  
**Label(s)** 8  
**Packing group** III  
**Environmental hazards** No  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

### IATA

**UN number** 2491  
**UN proper shipping name** Ethanolamine solution

<b>Transport hazard class(es)</b>	
<b>Class</b>	8
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	No
<b>ERG Code</b>	8L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

#### IMDG

<b>UN number</b>	2491
<b>UN proper shipping name</b>	ETHANOLAMINE SOLUTION
<b>Transport hazard class(es)</b>	
<b>Class</b>	8
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No
<b>EmS</b>	F-A, S-B
<b>Special precautions for user</b>	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

### Safety, health and environmental regulations

**National regulations** This Material Safety Data Sheet was prepared in accordance with the Australia National Code of Practice for the Preparation of Material Safety Data Sheets (NOHSC: 2011.)

#### Australia Medicines & Poisons Appendix E

ETHANOLAMINE, WHEN INCLUDED IN SCHEDULE 5 (CAS 141-43-5)

#### Australia Medicines & Poisons Appendix F

ETHANOLAMINE (ENTRY 2) (CAS 141-43-5)

#### Australia Medicines & Poisons Schedule 4

Ethanolamine (CAS 141-43-5)

#### Australia Medicines & Poisons Schedule 5

ETHANOLAMINE (EXCLUDING ITS SALTS AND DERIVATIVES) (CAS 141-43-5)

#### Australia Medicines & Poisons Schedule 6

ETHANOLAMINE (EXCLUDING ITS SALTS AND DERIVATIVES) (CAS 141-43-5)

#### High Volume Industrial Chemicals (HVIC)

2-Aminoethanol (CAS 141-43-5) 1000 - 9999 TONNES See the regulation for additional information.

#### Importation of Ozone Deleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)

Not listed.

#### National Pollutant Inventory (NPI) substance reporting list

Not listed.

#### Prohibited Carcinogenic Substances

Not regulated.

#### Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)

Not listed.

#### Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not listed.

#### Restricted Carcinogenic Substances

Not regulated.

### International regulations

#### Stockholm Convention

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	N
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	o
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	N
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	o
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information**

**Issue date** 04-October-2022

**Revision date** -

**Key abbreviations or acronyms used**

**References** HSDB® - Hazardous Substances Data Bank  
Registry of Toxic Effects of Chemical Substances (RTECS)

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