



SAFETY DATA SHEET

1. Identification

Product identifier LATICRETE SPECTRALOCK 2000 IG Part A

Other means of identification None.

Recommended use of the chemical and restrictions on use

Recommended use Tile grout

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	Acute toxicity, dermal	Category 4
	Skin corrosion/irritation	Category 1B
	Serious eye damage/eye irritation	Category 1
	Sensitization, skin	Category 1
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2

Label elements, including precautionary statements

Hazard symbol(s)

Corrosion Exclamation mark Environment

Signal word

Danger

Hazard statement(s)

Harmful in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Toxic to aquatic life with long lasting effects.

Precautionary statement(s)**Prevention**

Do not breathe mist or vapor. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing should not be allowed out of the workplace. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment.

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep 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 CENTER/doctor. Collect spillage.

Storage

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards which do not result in classification

None known.

Supplemental information

None.

3. Composition/information on ingredients**Mixture**

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
Fatty acids, tall-oil, reaction products with tetraethylenepentamine	68953-36-6	70-80
Tetraethylene pentamine	112-57-2	5-15
2-Piperazin-1-ylethylamine	140-31-8	0-10
Benzyl alcohol	100-51-6	1-5
Isophorone diamine	2855-13-2	1-5
Solvent naphtha (petroleum), light aromatic	64742-95-6	0.1-1
Stoddard solvent	8052-41-3	0.1-1
4-Nonylphenol, branched	84852-15-3	0.01-1

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****Inhalation**

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

Skin contact

Take off immediately all contaminated clothing. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

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.

Ingestion

Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Call a physician or poison control center immediately.

Personal protection for first-aid responders

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Symptoms caused by exposure Corrosive effects. Irritation of eyes and mucous membranes. Permanent eye damage including blindness could result. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Sensitization.

Medical attention and special treatment 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

Suitable extinguishing media Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical Heating may cause the release of ammonia vapors.

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

Fire fighting equipment/instructions In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.

Hazchem code 2X

General fire hazards 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 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.

Other issues relating to spills and releases Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS. Clean up in accordance with all applicable regulations.

7. Handling and storage

Precautions for safe handling Do not breathe mist or vapor. Do not get in eyes, on skin, on clothing. Do not taste or swallow. 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 (see Section 10 of the SDS).

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
Stoddard solvent (CAS 8052-41-3)	TWA	790 mg/m ³

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

Components	Type	Value
Stoddard solvent (CAS 8052-41-3)	TWA	790 mg/m ³

US. ACGIH Threshold Limit Values

Components	Type	Value
Stoddard solvent (CAS 8052-41-3)	TWA	100 ppm

Biological limit values	No biological exposure limits noted for the ingredient(s).
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.
Individual protection measures, for example personal protective equipment (PPE)	
Eye/face protection	Wear safety glasses with side shields (or goggles). Face-shield. Wear a full-face respirator, if needed.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear appropriate chemical resistant clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	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.

9. Physical and chemical properties

Appearance	Viscous. Cloudy liquid.
Physical state	Liquid.
Form	Liquid.
Color	Amber.
Odor	Ammoniacal.
Odor threshold	Not available.
pH	Alkaline.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	419 °F (215 °C)
Flash point	> 219.2 °F (> 104.0 °C)
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not available.
Vapor pressure	20 mm Hg
Vapor density	Not applicable.
Relative density	0.97
Solubility(ies)	
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	1250 cP at 21 °C (70 °F)

Other physical and chemical parameters

Bulk density	0.95
VOC	< 45 g/l

10. Stability and reactivity

Reactivity	Corrosive to certain metals. Copper Aluminum. Zinc.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Alkaline metals. Oxidizing agents. Strong acids. Peroxides. Phenols. Strong mineral acids. Organic acids. Sodium hypochlorite. Calcium hypochlorite. Reaction with peroxides may result in violent decomposition of peroxide, possibly creating an explosion. A reaction accompanied by large heat release occurs when the product is mixed with acids. Heat generated may be sufficient to cause vigorous boiling creating splash hazard.
Hazardous decomposition products	Nitric acid. Carbon dioxide (CO ₂). Carbon monoxide. Ammonia. Nitrogen oxides. By heating and fire, irritating vapors/gases may be formed.

11. Toxicological information

Information on possible routes of exposure

Inhalation	Irritating to respiratory system. Vapors may cause headache, fatigue, dizziness and nausea.
Skin contact	Harmful in contact with skin. Causes skin burns. May cause an allergic skin reaction.
Eye contact	Causes eye burns.
Ingestion	May cause burns of the gastrointestinal tract if swallowed. May cause nausea, headache, dizziness and intoxication.

Symptoms related to exposure Rash. Corrosive effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Vapors may irritate throat and respiratory system and cause coughing.

Acute toxicity Harmful in contact with skin.

Product	Species	Test Results
LATICRETE SPECTRALOCK 2000 IG Part A (CAS Mixture)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 660 mg/kg
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg
Components	Species	Test Results
2-Piperazin-1-ylethylamine (CAS 140-31-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	880 mg/kg
Fatty acids, tall-oil, reaction products with tetraethylenepentamine (CAS 68953-36-6)		
Acute		
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg
Isophorone diamine (CAS 2855-13-2)		
Acute		
<i>Oral</i>		
LD50	Rat	1030 mg/kg
Skin corrosion/irritation	Causes skin burns.	
Serious eye damage/irritation	Causes serious eye damage.	
Respiratory or skin sensitization		
Respiratory sensitization	No data available.	

Skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity	The product contains a small amount of substance that may damage fertility or the unborn child.
Specific target organ toxicity - single exposure	May cause respiratory irritation.
Specific target organ toxicity - repeated exposure	No data available.
Aspiration hazard	Not classified, however droplets of the product may be aspirated into the lungs through ingestion or vomiting and may cause a serious chemical pneumonia.
Chronic effects	Prolonged exposure may cause chronic effects.
Other information	No other specific acute or chronic health impact noted.

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Components	Species	Test Results
2-Piperazin-1-ylethylamine (CAS 140-31-8)		
Aquatic		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) 1950 - 2460 mg/l, 96 hours
4-Nonylphenol, branched (CAS 84852-15-3)		
Aquatic		
<i>Acute</i>		
Crustacea	EC50	Crustacea 0.0379 mg/l, 48 hours
Fish	LC50	Fish 0.017 mg/l, 96 hours
Benzyl alcohol (CAS 100-51-6)		
Aquatic		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) 460 mg/l, 96 hours
Isophorone diamine (CAS 2855-13-2)		
Aquatic		
Crustacea	EC50	Water flea (<i>Daphnia magna</i>) 14.6 - 21.5 mg/l, 48 hours
Persistence and degradability	No data is available on the degradability of this product.	
Bioaccumulative potential	No data available for this product.	
Partition coefficient n-octanol / water (log Kow)		
Benzyl alcohol (CAS 100-51-6)	1.1	
Stoddard solvent (CAS 8052-41-3)	3.16 - 7.15	
Tetraethylene pentamine (CAS 112-57-2)	1.503	
Mobility in soil	The product is soluble in water.	
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

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 2735
UN proper shipping name AMINES, LIQUID, CORROSIVE, N.O.S. (Tetraethylene pentamine, Nonylphenol)
Transport hazard class(es)
Class 8
Subsidiary risk -
Packing group III
Environmental hazards Yes
Hazchem code 2X
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

RID

UN number 2735
UN proper shipping name AMINES, LIQUID, CORROSIVE, N.O.S. (Tetraethylene pentamine, Nonylphenol)
Transport hazard class(es)
Class 8
Subsidiary risk -
Label(s) 8
Packing group III
Environmental hazards Yes
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number 2735
UN proper shipping name Amines, liquid, corrosive, n.o.s. (Tetraethylene pentamine, Nonylphenol)
Transport hazard class(es)
Class 8
Subsidiary risk -
Label(s) 8
Packing group III
Environmental hazards Yes
ERG Code 8L
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number 2735
UN proper shipping name Amines, liquid, corrosive, n.o.s. (Tetraethylene pentamine, Nonylphenol)
Transport hazard class(es)
Class 8
Subsidiary risk -
Label(s) 8
Packing group III
Environmental hazards
Marine pollutant Yes
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 This substance/mixture is not intended to be transported in bulk.

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

High Volume Industrial Chemicals (HVIC)

Benzyl alcohol (CAS 100-51-6)	10000 - 99999 TONNES See the regulation for additional information.
Isophorone diamine (CAS 2855-13-2)	10000 - 99999 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)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*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** 21-October-2021**Revision date** -**Key abbreviations or acronyms used****References** HSDB® - Hazardous Substances Data Bank
Registry of Toxic Effects of Chemical Substances (RTECS)**Disclaimer** The information in this (M)SDS was obtained from sources which we believe are reliable but cannot guarantee. Additionally, your use of this information is beyond our control and may be beyond our knowledge. Therefore, the information is provided without any representation or warranty express or implied.