LATICRETE

SAFETY DATA SHEET

1. Identification

Product identifier L&M Citrex
Other means of identification Not available.
Recommended use Cleaner.
Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name

LATICRETE International

Address

1 Laticrete Park, N

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

2. Hazard(s) identification

Physical hazards Flammable liquids Category 3

Health hazardsSkin corrosion/irritationCategory 2Serious eye damage/eye irritationCategory 2ASensitization, skinCategory 1

Environmental hazards Hazardous to the aquatic environment, Category 1

long-term hazard

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement Flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause an

allergic skin reaction. Very toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly

closed. Ground/bond container and receiving equipment. Use explosion-proof

electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection/face protection. Avoid breathing mist or vapor. Wash thoroughly after handling. Contaminated work clothing must not be

allowed out of the workplace. Avoid release to the environment.

Response In case of fire: Use alcohol-resistant foam, carbon dioxide, dry powder or water fog for extinction.

If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical

advice/attention. Collect spillage.

Storage Store in a well-ventilated place. Keep cool.

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

Hazard(s) not otherwise classified (HNOC)

Not classified.

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3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Limonene	5989-27-5	95 - 99
Nonylphenol polyethylene glycol ether	127087-87-0	1 - 2

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

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical

attention if any discomfort continues.

Skin contact

Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. If skin rash or an allergic skin reaction develops, get medical attention.

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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.

present and easy to do. Continue finding. Cet medical attention.

Ingestion

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.

Symptoms may include redness, drying and cracking of the skin.

Most important

symptoms/effects, acute and delayed

Provide general supportive measures and treat symptomatically.

Indication of immediate medical attention and special treatment needed

3 11 3 1

General information

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

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

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

Specific hazards arising from the chemical

Special protective equipment and precautions for firefighters

By heating and fire, irritating vapors/gases may be formed.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

Fire-fighting equipment/instructions

General fire hazards

Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.

The product is a flammable liquid.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep away from sources of ignition - No smoking. 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. Local authorities should be advised if significant spillages cannot be contained.

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.

Environmental precautions

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

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7. Handling and storage

Precautions for safe handling Do not breathe mist or vapor. Do not get in eyes, on skin, on clothing. Persons susceptible for

allergic reactions should not handle this product. Ground container and transfer equipment to eliminate static electric sparks, especially during transfer of material. Use non-sparking tools when opening or closing containers. Use with adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Follow rules for flammable liquids. Keep container tightly closed. Store in a cool and well-ventilated place. Store away from incompatible materials (See Section 10).

8. Exposure controls/personal protection

Occupational exposure limits

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Туре	Value	
Limonene (CAS 5989-27-5)	TWA	165.5 mg/m3	
		30 ppm	
	No high sized are source limits mate of fact the increasion of (a)		

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, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Face-shield.

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.

General hygiene considerations

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

Physical stateLiquid.FormLiquid.ColorClear.OdorCitrus.

Odor thresholdNot available.pHNot available.Melting point/freezing point-40 °F (-40 °C)Initial boiling point and boiling347 °F (175 °C)

range

Flash point 115.0 °F (46.1 °C)
Evaporation rate Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

Flammability (solid, gas)

Not available.

Not applicable.

(%)

Flammability limit - upper Not available.

(%)

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not applicable.

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Vapor density Not applicable.

0.84 Relative density

Solubility(ies)

Insoluble. Solubility (water) Partition coefficient Not available.

(n-octanol/water)

Not available. **Auto-ignition temperature** Not available. **Decomposition temperature Viscosity** Not available.

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Material is stable under normal conditions. Chemical stability

Possibility of hazardous

reactions

Will not occur.

Conditions to avoid Excessive heat. Contact with incompatible materials.

Strong oxidizing agents. Strong acids. Incompatible materials

Hazardous decomposition

products

At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

11. Toxicological information

Information on likely routes of exposure

Ingestion Ingestion may cause irritation and malaise.

In high concentrations, vapors may irritate throat and respiratory system and cause coughing. Inhalation

Skin contact Causes skin irritation.

Eve contact Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms may include redness, drying and cracking of the skin.

Information on toxicological effects

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

Components **Species** Test Results Limonene (CAS 5989-27-5)

Acute Dermal

Rabbit LD50 > 5000 mg/kg

Oral

LD50 Rat 4400 mg/kg

Causes skin irritation. Skin corrosion/irritation

Serious eye damage/eye

irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization No data available.

Skin sensitization May cause an allergic skin reaction.

No data available to indicate product or any components present at greater than 0.1% are Germ cell mutagenicity

mutagenic or genotoxic.

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

IARC Monographs. Overall Evaluation of Carcinogenicity

Limonene (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity No data available.

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Specific target organ toxicity -

single exposure

No data available.

Specific target organ toxicity -

repeated exposure

No data available.

Not classified. **Aspiration hazard**

Prolonged or repeated contact may dry skin and cause irritation. **Chronic effects**

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Test Results Components **Species**

Limonene (CAS 5989-27-5)

Aquatic

Crustacea EC50 Daphnia 0.42 mg/l, 48 Hours Fish LC50 Fathead minnow (Pimephales promelas) 0.7 mg/l, 96 Hours

The product is readily biodegradable. Persistence and degradability Has the potential to bioaccumulate. Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Limonene (CAS 5989-27-5) 4.232

Mobility in soil No data available.

Mobility in general The product is insoluble in water.

Other adverse effects No data available.

13. Disposal considerations

Disposal instructions 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.

Hazardous waste code D001: Waste Flammable material with a flash point <140 °F

Waste from residues / unused

products

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).

Empty containers should be taken to an approved waste handling site for recycling or disposal. Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

14. Transport information

DOT

UN2319 **UN** number

UN proper shipping name

Transport hazard class(es)

Terpene hydrocarbons, n.o.s. (Limonene)

Class 3 Subsidiary risk 3 Label(s) Packing group Ш

Environmental hazards

Marine pollutant Yes

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

B1, IB3, T4, TP1, TP29 Special provisions

Packaging exceptions 150 Packaging non bulk 203 242 Packaging bulk

IATA

UN number UN2319

UN proper shipping name

Transport hazard class(es)

Terpene hydrocarbons, n.o.s. (Limonene)

Class 3

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 Subsidiary risk

 Label(s)
 3

 Packing group
 III

 Environmental hazards
 Yes

 ERG Code
 3L

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

IMDG

UN number UN2319

UN proper shipping name TERPENE HYDROCARBONS, N.O.S. (Limonene)

Transport hazard class(es)

Class 3
Subsidiary risk Label(s) 3
Packing group III
Environmental hazards

Marine pollutant Yes
EmS F-E, S-D

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

Transport in bulk according to

This product is a liquid and when transported in bulk is covered under MARPOL 73/78 Annex II.

Annex II of MARPOL 73/78 and This product is listed in the IBC Code.

the IBC Code

Ship type: 3

Pollution category: Y

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

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Yes

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

US state regulationsThis product does not contain a chemical known to the State of California to cause cancer, birth

defects or other reproductive harm.

US. Massachusetts RTK - Substance List

Not regulated.

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US. New Jersey Worker and Community Right-to-Know Act

Limonene (CAS 5989-27-5)

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

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

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

Toxic Substances Control Act (TSCA) Inventory

16. Other information, including date of preparation or last revision

Issue date 15-July-2014

Revision date - 01

United States & Puerto Rico

NFPA ratings



References HSDB® - Hazardous Substances Data Bank

Registry of Toxic Effects of Chemical Substances (RTECS)

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warranty express or implied.

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Yes

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).