



SAFETY DATA SHEET

1. Identification

Product identifier L&M Cure R-2
Other means of identification Not available.
Recommended use Curing agent
Recommended restrictions None known.
Manufacturer/Importer/Supplier/Distributor information
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

2. Hazard(s) identification

Physical hazards Not classified.
Health Hazards Serious eye damage/eye irritation Category 2
Environmental hazards Hazardous to the aquatic environment, long-term hazard Category 3
OSHA defined hazards Not classified.

Label elements



Signal word Warning
Hazard statement Causes serious eye irritation. Harmful to aquatic life with long lasting effects.
Precautionary statement
Prevention Wash thoroughly after handling. Wear eye/face protection. Avoid release to the environment.
Response 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.
Storage Store away from incompatible materials.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC) None known.

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS number | % |
|---------------------------------------|-------------|---------|
| Hydrocarbon resin | 68131-87-3 | 10 - 15 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 1 - 2 |
| 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 Wash skin with soap and water. Get medical attention if symptoms occur.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Do not induce vomiting. Get medical attention if any discomfort continues.

Most important symptoms/effects, acute and delayed Symptoms include redness, itching and pain.

Indication of immediate medical attention and special treatment needed Treat symptomatically.

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

5. Fire-fighting measures

Suitable extinguishing media 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 During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters 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.

General fire hazards Will burn if involved in a fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up Large Spills: Remove sources of ignition. 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. Environmental manager must be informed of all major releases.

7. Handling and storage

Precautions for safe handling Do not breathe mist or vapor. Do not smoke or use open fire or other sources of ignition. 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, including any incompatibilities Keep container tightly closed. Store in a cool and well-ventilated place.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value | Form |
|-----------------------------------|------|----------|-------------|
| Titanium dioxide (CAS 13463-67-7) | PEL | 15 mg/m3 | Total dust. |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|--------------------------------------|------|----------|
| 1,2,4-Trimethylbenzene (CAS 95-63-6) | TWA | 25 ppm |
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|--------------------------------------|------|---------------------|
| 1,2,4-Trimethylbenzene (CAS 95-63-6) | TWA | 125 mg/m3 25 ppm |

| | |
|---|---|
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Appropriate engineering controls | Provide adequate ventilation and minimize the risk of inhalation of vapors. |

Individual protection measures, such as personal protective equipment

| | |
|-------------------------------|--|
| Eye/face protection | Wear approved safety glasses or goggles. |
| Skin protection | |
| Hand protection | Wear appropriate chemical resistant gloves. Rubber gloves are recommended. |
| 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 state | Liquid. |
| Form | Liquid. |
| Color | White |

Odor Not available.

Odor threshold Not available.

pH 8.5

Melting point/freezing point Not available.

Initial boiling point and boiling range 212 °F (100 °C)

Flash point 210.0 °F (98.9 °C) Tag Closed Cup

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Vapor pressure < 1 mm Hg

Vapor density 4 (Air=1)

| | |
|--|-------------------|
| Relative density | 1 |
| Solubility(ies) | |
| Solubility (water) | Soluble in water. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |

10. Stability and reactivity

| | |
|---|---|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | Will not occur. |
| Conditions to avoid | Heat, flames and sparks. |
| Incompatible materials | Oxidizing agents. |
| Hazardous decomposition products | Carbon dioxide (CO ₂). Carbon monoxide. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|---|
| Inhalation | In high concentrations, vapors may be irritating to the respiratory system. |
| Skin contact | May cause skin irritation. |
| Eye contact | Causes serious eye irritation. |
| Ingestion | May cause discomfort if swallowed. |

Symptoms related to the physical, chemical and toxicological characteristics Symptoms include redness, itching and pain.

Information on toxicological effects

Acute toxicity May cause discomfort if swallowed.

| Components | Species | Test Results |
|---|---|-----------------------------------|
| 1,2,4-Trimethylbenzene (CAS 95-63-6) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | > 3160 mg/kg |
| <i>Inhalation</i> | | |
| LC50 | Rat | 10200 mg/m ³ , 4 Hours |
| <i>Oral</i> | | |
| LD50 | Rat | 6000 mg/kg |
| Nonylphenol polyethylene glycol ether (CAS 127087-87-0) | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Rat | > 15 mg/kg |
| Titanium dioxide (CAS 13463-67-7) | | |
| Acute | | |
| <i>Inhalation</i> | | |
| LC50 | Rat | > 2.28 mg/l, 4 Hours |
| <i>Oral</i> | | |
| LD50 | Rat | > 11000 mg/kg |
| Skin corrosion/irritation | May cause skin irritation on prolonged or repeated contact. | |
| Serious eye damage/eye irritation | Causes serious eye irritation. | |

Respiratory or skin sensitization

Respiratory sensitization No data available.

Skin sensitization Not a skin sensitizer.

Germ cell mutagenicity No data available.

Carcinogenicity Not classified. Titanium dioxide is considered carcinogenic only when in an inhalable powdered form.

IARC Monographs. Overall Evaluation of Carcinogenicity

Titanium dioxide (CAS 13463-67-7)

2B Possibly carcinogenic to humans.

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 contact may cause dryness of the skin.

Further information No other specific acute or chronic health impact noted.

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

| Components | Species | Test Results |
|--------------------------------------|--|----------------------------|
| 1,2,4-Trimethylbenzene (CAS 95-63-6) | | |
| Aquatic | | |
| Fish | LC50 Fathead minnow (<i>Pimephales promelas</i>) | 7.19 - 8.28 mg/l, 96 hours |

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available for this product.

Mobility in soil No data available.

Mobility in general The product is soluble 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. Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations.

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

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

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

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 - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|------------------------|------------|----------|
| 1,2,4-Trimethylbenzene | 95-63-6 | 1 - 2 |

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 (SDWA) Not regulated.

US state regulations WARNING: This product contains chemical(s) known to the State of California to cause cancer.

US. Massachusetts RTK - Substance List

1,2,4-Trimethylbenzene (CAS 95-63-6)
Titanium dioxide (CAS 13463-67-7)

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

1,2,4-Trimethylbenzene (CAS 95-63-6)
Titanium dioxide (CAS 13463-67-7)

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

1,2,4-Trimethylbenzene (CAS 95-63-6)
Titanium dioxide (CAS 13463-67-7)

US. Rhode Island RTK

1,2,4-Trimethylbenzene (CAS 95-63-6)

US. California Proposition 65

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

Titanium dioxide (CAS 13463-67-7)

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) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| 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, including date of preparation or last revision

Issue date 01-October-2014

Revision date -

Version # 01

NFPA ratings



References

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

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