SAFETY DATA SHEET

1. Identification

Product identifier: LATICRETE® STRATA HEAT THERMAL PACK
Other means of identification: None.
Recommended use: Thinset additive.
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: Not classified.
OSHA defined hazards: Not classified.
Label elements
Hazard symbol: None.
Signal word: None.
Hazard statement: The mixture does not meet the criteria for classification.
Precautionary statement
Prevention: Observe good industrial hygiene practices.
Response: No specific first aid measures noted.
Storage: Store away from incompatible materials.
Disposal: Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC): None known.
Supplemental information: None.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graphite</td>
<td>7782-42-5</td>
<td>85 - 99</td>
</tr>
</tbody>
</table>

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. Get medical attention if symptoms persist.
Skin contact: Wash area with soap and water. Get medical attention if irritation develops or persists.
Eye contact: Do not rub eyes. Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if irritation develops or persists.
**Ingestion**
Rinse mouth and drink plenty of water. Only induce vomiting at the instruction of medical personnel. Get medical attention if any discomfort occurs.

**Most important symptoms/effects, acute and delayed**
Coughing. Dust may irritate the eyes and the respiratory system.

**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 spray, foam, dry powder or carbon dioxide.

**Unsuitable extinguishing media**
No restrictions known.

**Specific hazards arising from the chemical**
During fire, gases hazardous to health may be formed.

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

**Fire fighting equipment/instructions**
Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards**
The product is not flammable.

6. **Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**
Wear appropriate personal protective equipment. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of the SDS.

**Methods and materials for containment and cleaning up**
Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not vacuum clean unless vacuum cleaners are equipped with HEPA filter. For waste disposal, see Section 13 of the SDS.

**Environmental precautions**
Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. **Handling and storage**

**Precautions for safe handling**
Avoid inhalation of dust and contact with skin and eyes. Use work methods which minimize dust production. Provide appropriate exhaust ventilation at places where dust is formed. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**
Store in a cool, dry place out of direct sunlight.

8. **Exposure controls/personal protection**

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graphite (CAS 7782-42-5)</td>
<td>PEL</td>
<td></td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. OSHA Table Z-3 (29 CFR 1910.1000)</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graphite (CAS 7782-42-5)</td>
<td>TWA</td>
<td></td>
<td>15 mppcf</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
</tr>
<tr>
<td>Graphite (CAS 7782-42-5)</td>
</tr>
</tbody>
</table>

| US. NIOSH: Pocket Guide to Chemical Hazards |
| Components                                  |
| Graphite (CAS 7782-42-5)                   | TWA         |      | 2.5 mg/m³ |

**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.

## Individual protection measures, such as personal protective equipment

### Eye/face protection
Wear safety glasses with side shields (or goggles).

### Skin protection
- **Hand protection**: Wear protective gloves.
- **Skin protection**
- **Other**: Wear suitable protective clothing.

### Respiratory protection
In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter.

### 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**: Solid.
- **Form**: Solid.
- **Color**: None.

### Odor
- **Odor threshold**: Not available.
- **pH**: Not available.

### Melting point/freezing point
- **Melting point/freezing point**: Not available.

### Initial boiling point and boiling range
- **Flash point**: Not available.

### Flammability (solid, gas)

#### Upper/lower flammability or explosive limits
- **Flammability limit - lower (%)**: Not available.
- **Flammability limit - upper (%)**: Not available.

### Vapor pressure
- **Vapor pressure**: Not available.

### Vapor density
- **Vapor density**: Not available.

### Relative density
- **Relative density**: Not available.

### Solubility(ies)
- **Solubility (water)**: Insoluble in water.

### Partition coefficient (n-octanol/water)
- **Partition coefficient (n-octanol/water)**: Not available.

### Auto-ignition temperature
- **Auto-ignition temperature**: Not available.

### Decomposition temperature
- **Decomposition temperature**: Not available.

### Viscosity
- **Viscosity**: Not available.

### Other information
- **Explosive properties**: Not explosive.
- **Oxidizing properties**: Not oxidizing.

## 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.
Hazardous polymerization does not occur.

Possibility of hazardous reactions
Conditions to avoid Contact with incompatible materials.
Incompatible materials Strong oxidizing agents.
Hazardous decomposition products Carbon monoxide (CO). Carbon dioxide (CO2).

11. Toxicological information

Information on likely routes of exposure
- Inhalation Dust may irritate respiratory system.
- Skin contact May cause irritation through mechanical abrasion.
- Eye contact Dust may irritate the eyes.
- Ingestion May cause discomfort if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics
Coughing. Dust may irritate the eyes and the respiratory system.

Information on toxicological effects
- Acute toxicity May cause discomfort if swallowed.
- Skin corrosion/irritation May cause irritation through mechanical abrasion.
- Serious eye damage/eye irritation Dust in the eyes will cause irritation.

Respiratory or skin sensitization
- Respiratory sensitization No data available.
- Skin sensitization Not a skin sensitizer.
- Germ cell mutagenicity No data available.
- Carcinogenicity Not classifiable as to carcinogenicity to humans.
  - IARC Monographs. Overall Evaluation of Carcinogenicity Not listed.
  - NTP Report on Carcinogens 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 exposure may cause chronic effects.
Further information No other specific acute or chronic health impact noted.

12. Ecological information
Ecotoxicity This product’s components are 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.

Persistence and degradability The product is not biodegradable.
Bioaccumulative potential The product is not expected to bioaccumulate.
Mobility in soil The product is not mobile in soil.
Mobility in general The product is insoluble 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 instructions Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations Dispose of in accordance with local 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 in accordance with all applicable 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 established.

15. Regulatory information

US federal regulations
This product is not known to be 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 regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
No

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 (SDWA)
Not regulated.

US state regulations
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US. Massachusetts RTK - Substance List
Graphite (CAS 7782-42-5)

US. New Jersey Worker and Community Right-to-Know Act
Graphite (CAS 7782-42-5)

US. Pennsylvania Worker and Community Right-to-Know Law
Graphite (CAS 7782-42-5)

US. Rhode Island RTK
Graphite (CAS 7782-42-5)
### International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Taiwan</td>
<td>Taiwan Chemical Substance Inventory (TCSI)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*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**: 14-August-2017
- **Revision date**: -
- **Version #**: 01

**NFPA ratings**

- **Health**: 0
- **Flammability**: 0
- **Reactivity**: 0

**List of abbreviations**

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

**References**

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