SAFETY DATA SHEET

1. Identification
Product identifier Spartacote Polyaspartic Pigment
Other means of identification None.
Recommended use Pigment.
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 Sensitization, skin Category 1
Germ cell mutagenicity Category 1B
Carcinogenicity Category 1B
Environmental hazards Hazardous to the aquatic environment, Category 3
long-term hazard
OSHA defined hazards Not classified.
Label elements

Signal word Danger
Hazard statement May cause an allergic skin reaction. May cause genetic defects. May cause cancer. Harmful to aquatic life with long lasting effects.
Precautionary statement
Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing mist or vapor. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment.
Response If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Storage Store locked up.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC) None known.
Supplemental information None.
### 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>46 - 65</td>
</tr>
<tr>
<td>Tetraethyl n,n'-(methylene diclohexane-4,1-diyl)bis-dl-aspartate</td>
<td>136210-30-5</td>
<td>25 - 35</td>
</tr>
<tr>
<td>Aliphatic Carboxylic Ester</td>
<td>623-91-6</td>
<td>0.1 - 1.5</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light arom.</td>
<td>64742-95-6</td>
<td>0.1 - 0.3</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>0.1 - 0.2</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 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. If skin irritation or rash occurs: Get medical advice/attention.

**Eye contact**

Flush eyes thoroughly with 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**

Rash. Irritant effects. Prolonged exposure may cause chronic effects.

**Indication of immediate medical attention and special treatment needed**

Treat symptomatically. Symptoms may be delayed. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

### 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**

No unusual fire or explosion hazards noted.

### 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.

Environmental manager must be informed of all major releases.
7. Handling and storage

Precautions for safe handling
Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Persons susceptible for allergic reactions should not handle this product. 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)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>PEL</td>
<td>3.5 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>TWA</td>
<td>3.5 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>TWA</td>
<td>3.5 mg/m³</td>
</tr>
</tbody>
</table>

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
Wear appropriate chemical resistant gloves. Rubber gloves are recommended.

Hand protection
Wear appropriate chemical resistant clothing.

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
Fluid.

Color
Not available.

Odor
Characteristic.

Odor threshold
Not available.

pH
Not determined.

Melting point/freezing point
Not determined.

Initial boiling point and boiling range
> 999 °F (> 537.22 °C)

Flash point
293.0 °F (145.0 °C)

Evaporation rate
Not determined
Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)
Not available.

Flammability limit - upper (%)
Not available.

Vapor pressure Not determined.

Vapor density Not determined.

Relative density Not determined.

Solubility(ies)

Solubility (water) Insoluble in water.

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

Auto-ignition temperature Product is not self-igniting.

Decomposition temperature Not available.

Viscosity Not determined.

Other information

Density 2.03 g/cm³ (20°C/68°F)

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

VOC (Weight %) 0.6 %

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 (CO₂). 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 Causes mild skin irritation.

Eye contact May cause eye irritation.

Ingestion May cause discomfort if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Rash. Irritant effects. Prolonged exposure may cause chronic effects.

Information on toxicological effects

Acute toxicity May cause discomfort if swallowed.

Components Species Test Results

<table>
<thead>
<tr>
<th>Titanium dioxide (CAS 13463-67-7)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Acute</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Inhalation</th>
</tr>
</thead>
</table>

| LC50 |
| Rat |

<table>
<thead>
<tr>
<th>Oral</th>
</tr>
</thead>
</table>

| LD50 |
| Rat |

<table>
<thead>
<tr>
<th>Skin corrosion/irritation</th>
</tr>
</thead>
</table>

| Causes mild skin irritation. |

<table>
<thead>
<tr>
<th>Serious eye damage/eye irritation</th>
</tr>
</thead>
</table>

| May cause eye irritation. |
Respiratory or skin sensitization

Respiratory sensitization  No data available.
Skin sensitization  May cause an allergic skin reaction.
Germ cell mutagenicity  May cause genetic defects.
Carcinogenicity  May cause cancer. Inhalation of carbon black or titanium dioxide dust may cause cancer, however due to the physical form of the product, inhalation of dust is not likely.

IARC Monographs. Overall Evaluation of Carcinogenicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>Carcinogenicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>2B Possibly carcinogenic to humans.</td>
</tr>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>2B Possibly carcinogenic to humans.</td>
</tr>
</tbody>
</table>

NTP Report on Carcinogens

Not listed.

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.
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 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. 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 established.

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.

Not listed.

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

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<table>
<thead>
<tr>
<th>Hazard categories</th>
<th>Immediate Hazard</th>
<th>Delayed Hazard</th>
<th>Fire Hazard</th>
<th>Pressure Hazard</th>
<th>Reactivity Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**SARA 302 Extremely hazardous substance**
Not listed.

**SARA 311/312 Hazardous chemical**
Yes

**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**

**WARNING:** This product contains chemical(s) known to the State of California to cause birth defects or other reproductive harm.

**US. Massachusetts RTK - Substance List**
- Carbon black (CAS 1333-86-4)
- Titanium dioxide (CAS 13463-67-7)

**US. New Jersey Worker and Community Right-to-Know Act**
- Carbon black (CAS 1333-86-4)
- Titanium dioxide (CAS 13463-67-7)

**US. Pennsylvania Worker and Community Right-to-Know Law**
- Carbon black (CAS 1333-86-4)
- Titanium dioxide (CAS 13463-67-7)

**US. Rhode Island RTK**
Not regulated.

**US. California Proposition 65**

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**
- Carbon black (CAS 1333-86-4)
- Titanium dioxide (CAS 13463-67-7)

**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>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>Yes</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>Yes</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>Country(s) or region</td>
<td>Inventory name</td>
<td>On inventory (yes/no)*</td>
</tr>
<tr>
<td>----------------------</td>
<td>----------------------------------------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</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

<table>
<thead>
<tr>
<th>Issue date</th>
<th>18-August-2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>-</td>
</tr>
<tr>
<td>Version #</td>
<td>01</td>
</tr>
</tbody>
</table>

NFPA ratings

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

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