SAFETY DATA SHEET

1. Identification

Product identifier Spartacote Polyaspartic Pigment
Other means of identification None.
Recommended use of the chemical and restrictions on use
Recommended use Pigment.
Restrictions on use Not available.

Details of manufacturer or importer

Manufacturer
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 Sensitization, skin Category 1
Germ cell mutagenicity Category 1B
Carcinogenicity Category 1B

Environmental hazards Hazardous to the aquatic environment, acute hazard Category 3
Hazardous to the aquatic environment, long-term hazard Category 3

Label elements, including precautionary statements

Hazard symbol(s)

Health hazard
Exclamation mark
Signal word: Danger
Hazard Statement(s): May cause an allergic skin reaction. May cause genetic defects. May cause cancer. Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)
- **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 vapour. 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 exposed or concerned: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and 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.

Other hazards which do not result in classification: None known.

Supplemental information: None.

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Mixture</th>
<th>Identity of chemical ingredients</th>
<th>CAS number and other unique identifiers</th>
<th>Concentration of ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>46 - 65</td>
</tr>
<tr>
<td></td>
<td>Tetraethyl n,n'-(methylenedicyclohexane-4,1-diy)bis-dl-aspartate</td>
<td>136210-30-5</td>
<td>25 - 35</td>
</tr>
<tr>
<td></td>
<td>Aliphatic Carboxylic Ester</td>
<td>623-91-6</td>
<td>0.1 - 1.5</td>
</tr>
<tr>
<td></td>
<td>Solvent naphtha (petroleum), light arom.</td>
<td>64742-95-6</td>
<td>0.1 - 0.3</td>
</tr>
<tr>
<td></td>
<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

**Description of necessary 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.

**Personal protection for first-aid responders**: 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.

**Symptoms caused by exposure**: Rash. Irritant effects. Prolonged exposure may cause chronic effects.

**Medical attention and special treatment**: Treat symptomatically. Symptoms may be delayed.

5. Fire-fighting measures

**Extinguishing media**
- **Suitable extinguishing media**: Water spray. 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 fire fighters**: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
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

For non-emergency personnel
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.

For emergency responders
Use personal protection recommended in Section 8 of the SDS.

Environmental precautions
Environmental manager must be informed of all major releases.

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.

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 handle until all safety precautions have been read and understood. Do not breathe mist or vapour. 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 and personal protection

Control parameters
Follow standard monitoring procedures.

Occupational exposure limits

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

<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 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Inhalable dust.</td>
</tr>
</tbody>
</table>

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

<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 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Inspirable 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>

UK. EH40 Workplace Exposure Limits (WELs)

<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>STEL</td>
<td>7 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>
UK. EH40 Workplace Exposure Limits (WELs)

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

Biological limit values
No biological exposure limits noted for the ingredient(s).

Control banding approach
No data available.

Appropriate engineering controls
Provide adequate ventilation and minimise the risk of inhalation of vapours.

Individual protection measures, for example personal protective equipment (PPE)

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.

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.

9. Physical and chemical properties

Appearance

Physical state
Liquid.

Form
Fluid.

Colour
Not available.

Odour
Characteristic.

Odour threshold
Not available.

pH
Not determined.

Melting point/freezing point
Not determined.

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

Flash point
145.0 °C (293.0 °F)

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.

Vapour pressure
Not determined.

Vapour 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 physical and chemical parameters

Density
2.03 g/cm³ (20°C/68°F)
Explosive properties  Not explosive.
Oxidising properties  Not oxidising.
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 possible routes of exposure
- Inhalation  In high concentrations, vapours 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 exposure  Rash. Irritant effects. Prolonged exposure may cause chronic effects.
Acute toxicity  May cause discomfort if swallowed.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>3.43 mg/l, 4 Hours</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td></td>
<td>Causes mild skin irritation.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td></td>
<td>May cause eye irritation.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Respiratory sensitisation</strong></td>
<td></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Skin sensitisation</strong></td>
<td></td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td><strong>Germ cell mutagenicity</strong></td>
<td></td>
<td>May cause genetic defects.</td>
</tr>
<tr>
<td><strong>Carcinogenicity</strong></td>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>

ACGIH Carcinogens
- Carbon black (CAS 1333-86-4)  A3 Confirmed animal carcinogen with unknown relevance to humans.
- Titanium dioxide (CAS 13463-67-7)  A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity
- Carbon black (CAS 1333-86-4)  2B Possibly carcinogenic to humans.
- Titanium dioxide (CAS 13463-67-7)  2B Possibly carcinogenic to humans.

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.
Other 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
Not available.

Mobility in general
The product is insoluble in water.

Other adverse effects
No data available.

13. Disposal considerations

Disposal methods
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.

Residual waste
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

ADG
Not regulated as dangerous goods.

RID
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

Safety, health and environmental regulations

National regulations
No poison schedule number allocated. This Safety Data Sheet was prepared in accordance with the Code of Practice on Preparation of Safety Data Sheets for Hazardous Chemicals.

Australia Medicines & Poisons Appendix A
Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix B
Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix C
Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix D
Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix E
Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix F
Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix G
Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix H
Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix I
Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix J
Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix K
Poisons schedule number not allocated.
Australia Medicines & Poisons Schedule 2
Poison schedule number not allocated.

Australia Medicines & Poisons Schedule 3
Poison schedule number not allocated.

Australia Medicines & Poisons Schedule 4
Poison schedule number not allocated.

Australia Medicines & Poisons Schedule 5
Poison schedule number not allocated.

Australia Medicines & Poisons Schedule 6
Poison schedule number not allocated.

Australia Medicines & Poisons Schedule 7
Poison schedule number not allocated.

Australia Medicines & Poisons Schedule 8
Poison schedule number not allocated.

Australia Medicines & Poisons Schedule 9
Poison schedule number not allocated.

High Volume Industrial Chemicals (HVIC)

Carbon black (CAS 1333-86-4) 10000 - 99999 TONNES See the regulation for additional information.

Solvent naphtha (petroleum), light arom. (CAS 64742-95-6) 10000 - 99999 TONNES See the regulation for additional information.

Titanium dioxide (CAS 13463-67-7) 100000 - 999999 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

<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>
</tbody>
</table>
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         | No                    |
                    | (PICCS)                                                           |                       |
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: 18-August-2015

Revision date:

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

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