1. Identification

Product identifier: SPARTACOTE® Flex SB Part A

Other means of identification: None.

Recommended use of the chemical and restrictions on use

  Recommended use: Decorative coating.

  Restrictions on use: Not available.

Details of manufacturer or importer

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: Flammable liquids

  Health hazards: Skin corrosion/irritation, Sensitization, skin,
  Specific target organ toxicity, single exposure, Aspiration hazard

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

Label elements, including precautionary statements

Hazard symbol(s):

  Flame
  Exclamation mark
  Health hazard
  Environment
Signal word: Danger

Hazard statement(s): Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

Precautionary statement(s):

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. Avoid breathing mist or vapor. Contaminated work clothing should not be allowed out of the workplace. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

Response: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Collect spillage.


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

Other hazards which do not result in classification: Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment.

Supplemental information: None.

3. Composition/information on ingredients

Mixture

<table>
<thead>
<tr>
<th>Identity of chemical ingredients</th>
<th>CAS number and other unique identifiers</th>
<th>Concentration of ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetraethyl n,n’-(methylene diclohexane-4,1-diy)bis-dl-aspartate</td>
<td>136210-30-5</td>
<td>57-62</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aromatic</td>
<td>64742-95-6</td>
<td>30-35</td>
</tr>
<tr>
<td>Coconut oil</td>
<td>8001-31-8</td>
<td>2-3</td>
</tr>
<tr>
<td>Aliphatic carboxylic ester</td>
<td>623-91-6</td>
<td>0.6-3.5</td>
</tr>
<tr>
<td>Limonene</td>
<td>5989-27-5</td>
<td>1-2</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: Move into fresh air and keep at rest. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.

Skin contact: Flush thoroughly with water for at least 15 minutes. Wash skin with soap and water. Get medical attention if irritation develops and persists.

Eye contact: Flush thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.

Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions. Get medical attention if symptoms occur.

Personal protection for first-aid responders: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Symptoms caused by exposure: Irritating to eyes, respiratory system and skin. Irritation of nose and throat. Irritating to mucous membranes. Sensitization.

Medical attention and special treatment: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Treat symptomatically.

5. Fire-fighting measures

Extinguishing media: Suitable extinguishing media: Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed. Solvent vapors may form explosive mixtures with air.

Special protective equipment and precautions for fire fighters: 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: In case of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Move containers from fire area if you can do it without risk.

Hazchem code: Y 3

General fire hazards: The product is flammable, and heating may generate vapors which may form explosive vapor/air mixtures.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Do not breathe mist or vapor. Avoid contact with skin and eyes. Local authorities should be advised if significant spillages cannot be contained. Stay upwind. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering.

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

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods and materials for containment and cleaning up: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas. Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water.

Large Spills: Dike the spilled material, where this is possible. Following product recovery, flush area with water. Cover with plastic sheet to prevent spreading. Absorb spillage with non-combustible, absorbent material.

Small Spills: Clean surface thoroughly to remove residual contamination.

Other issues relating to spills and releases: Never return spills in original containers for re-use.

Clean up in accordance with all applicable regulations.

7. Handling and storage

Precautions for safe handling: The product is flammable, and heating may generate vapors which may form explosive vapor/air mixtures. Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. Do not smoke. Avoid contact with skin, eyes and clothing. Do not breathe mist or vapor. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Use only in well-ventilated areas. Avoid prolonged exposure. Wash thoroughly after handling. Handle and open container with care.


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>Coconut oil (CAS 8001-31-8)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Inhalable mist.</td>
</tr>
</tbody>
</table>

SPARTACOTE® Flex SB Part A

925836   Version #: 01   Revision date: -   Issue date: 01-December-2016

SDS Australia
### 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>Coconut oil (CAS 8001-31-8)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Inspirable dust.</td>
</tr>
</tbody>
</table>

### Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Component(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limonene (CAS 5989-27-5)</td>
<td>TWA</td>
<td>28 mg/m³</td>
<td>5 ppm</td>
</tr>
</tbody>
</table>

**Biological limit values**

- No biological exposure limits noted for the ingredient(s).

**Exposure guidelines**

- Follow standard monitoring procedures.

**Appropriate engineering controls**

- Explosion proof exhaust ventilation should be used. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment. Provide easy access to water supply or an emergency shower.

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

- **Eye/face protection**
  - Wear goggles/face shield.

- **Skin protection**
  - **Hand protection**
    - Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.
  - **Other**
    - Wear appropriate chemical resistant clothing. Protective shoes or boots. Structural firefighters protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations. Wear chemical protective equipment that is specifically recommended by the Personal Protective Equipment manufacturer.

- **Respiratory protection**
  - If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.

- **Thermal hazards**
  - Wear appropriate thermal protective clothing, when necessary.

- **Hygiene measures**
  - Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Launder contaminated clothing before reuse. Remove and isolate contaminated clothing and shoes.

### 9. Physical and chemical properties

**Appearance**

- Liquid.

**Physical state**

- Liquid.

**Form**

- Liquid.

**Color**

- Not available.

**Odor**

- Not available.

**Odor threshold**

- Not available.

**pH**

- Not available.

**Melting point/freezing point**

- Not applicable.

**Initial boiling point and boiling range**

- 280 - 365 °F (137.78 - 185 °C)

**Flash point**

- 125.0 °F (51.7 °C) Tag Closed Cup

**Evaporation rate**

- Not applicable.

**Flammability (solid, gas)**

- Not applicable.

**Upper/lower flammability or explosive limits**

- **Flammability limit - lower (%)**
  - 0.9 %

- **Flammability limit - upper (%)**
  - 6.4 %

**Vapor pressure**

- 3 mm Hg (100°F/38°C)
Vapor density 3.99 (air=1)
Relative density 0.99
Solubility(ies)
   Solubility (water) Insoluble 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 Risk of ignition. Stable at normal conditions.
Possibility of hazardous reactions Hazardous polymerization does not occur.
Conditions to avoid Heat, flames and sparks.

11. Toxicological information
Information on possible routes of exposure
   Inhalation May cause drowsiness or dizziness.
   Skin contact Causes skin irritation.
   Eye contact May cause eye irritation.
   Ingestion Ingestion may cause irritation and malaise.
Symptoms related to exposure Irritating to eyes, respiratory system and skin. Irritation of nose and throat. Irritating to mucous membranes. Sensitization.
Acute toxicity May cause discomfort if swallowed.
Skin corrosion/irritation Causes skin irritation.
Serious eye damage/irritation May cause eye irritation.
Respiratory or skin sensitization
   Respiratory sensitization Not classified.
   Skin sensitization May cause allergic skin reaction.
Germ cell mutagenicity Not classified.
Carcinogenicity Not classifiable as to carcinogenicity to humans.
   Limonene (CAS 5989-27-5) Not classifiable as to carcinogenicity to humans.
Reproductive toxicity Not classified.
Specific target organ toxicity - single exposure May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure Not classified.
Aspiration hazard May be fatal if swallowed and enters airways.
Other information Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

12. Ecological information
Ecotoxicity Toxic to aquatic life with long lasting effects.
Components Test Results

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)</td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EL50 Daphnia 4.5 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LL50 Oncorhynchus mykiss 10 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

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

**Bioaccumulative potential**
No data available for this product.

**Mobility in soil**
The product is insoluble in water.

**Other adverse effects**
No data available.

13. Disposal considerations

**Disposal methods**
Dispose of this material and its container at hazardous or special waste collection point. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.

**Residual waste**
Dispose of in accordance with local regulations.

**Contaminated packaging**
Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

**ADG**

| UN number | 1139 |
| UN proper shipping name | COATING SOLUTION |
| Transport hazard class(es) | |
| Class | 3 |
| Subsidiary risk | - |
| Packing group | III |
| Environmental hazards | Yes |
| Hazchem code | 3Y |

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

**RID**

| UN number | 1139 |
| UN proper shipping name | COATING SOLUTION |
| Transport hazard class(es) | |
| Class | 3 |
| Subsidiary risk | - |
| Label(s) | 3 |
| Packing group | III |
| Environmental hazards | Yes |

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

**IATA**

| UN number | 1139 |
| UN proper shipping name | Coating solution |
| Transport hazard class(es) | |
| Class | 3 |
| 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 | 1139 |
| UN proper shipping name | COATING SOLUTION |
| Transport hazard class(es) | |
| Class | 3 |
| Subsidiary risk | - |
| Label(s) | 3 |
Packing group III
Environmental hazards
Marine pollutant Yes
EmS F-E, S-E
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
General information IATA classification is not relevant as the material is not transported by air.

15. Regulatory information

Safety, health and environmental regulations

National regulations
This Safety Data Sheet was prepared in accordance with the Australia National Code of Practice for the Preparation of Material Safety Data Sheets (NOHSC: 2011.)

Australia Medicines & Poisons Appendix B
LIMONENE (DIPENTENE) (CAS 5989-27-5)

Australia Medicines & Poisons Appendix E
HYDROCARBONS, LIQUID (CAS 5989-27-5)

Australia Medicines & Poisons Schedule 5
HYDROCARBONS, LIQUID, INCLUDING KEROSENE, DIESEL (DISTILLATE), MINERAL TURPENTINE, WHITE PETROLEUM SPIRIT, TOLUENE, XYLENE AND LIGHT MINERAL AND PARAFFIN OILS (BUT EXCLUDING THEIR DERIVATIVES) (CAS 5989-27-5)

High Volume Industrial Chemicals (HVIC)
Solvent naphtha (pertroleum), light aromatic (CAS 64742-95-6) 10000 - 99999 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>Yes</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>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<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>Yes</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>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

Issue date: 01-December-2016

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

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