1. Product and Company Identification

Product identifier: Spartacote Flex SB Part A
Version #: 01
Issue date: 19-May-2015
Revision date: -
Supersedes date: -
CAS #: Mixture
Product use: Decorative coating.

Manufacturer 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 ChemTel day or night
USA/Canada - 1.800.255.3924
Mexico - 1.800.099.0731
Outside USA/Canada - 1.813.248.0585

2. Hazards Identification

Emergency overview
WARNING
Flammable liquid and vapor. Causes skin and eye irritation. May cause allergic skin reaction. Harmful if swallowed - may enter lungs if swallowed or vomited. May cause central nervous system effects.

Potential health effects
Routes of exposure: Inhalation. Ingestion. Skin contact. Eye contact.
Eyes: Causes eye irritation.
Skin: Causes skin irritation. Defats the skin.
Inhalation: May cause central nervous system effects.
Ingestion: Swallowing or vomiting of the liquid may result in aspiration into the lungs. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.

Chronic effects: May cause central nervous system effects.
Signs and symptoms: Irritating to eyes, respiratory system and skin. Irritation of nose and throat. Irritating to mucous membranes. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Potential environmental effects: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetraethyl n,n’-(methylene cyclohexane-4,1-diyl)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>
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures

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
Remove contact lenses, if present and easy to do. Flush thoroughly with water for at least 15 minutes. 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.

Notes to physician
Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Treat symptomatically.

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

5. Fire Fighting Measures

Flammable properties
The product is flammable, and heating may generate vapors which may form explosive vapor/air mixtures.

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.

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

Protective equipment 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
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.

Explosion data

Sensitivity to static discharge
Vapors may be ignited by static discharge.

Sensitivity to mechanical impact
Risk of explosion by shock, friction, fire or other sources of ignition.

Hazardous combustion products

6. Accidental Release Measures

Personal precautions
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.

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

Methods for containment
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Methods for cleaning up
Stop the flow of material, if this is without risk. 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.

Never return spills in original containers for re-use.
Other information
Clean up in accordance with all applicable regulations.

7. Handling and Storage

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. Use Personal Protective Equipment recommended in section 8 of the MSDS.

Storage

8. Exposure Controls / Personal Protection

Occupational exposure limits
Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

<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>3 mg/m3</td>
<td>Respirable mist.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg/m3</td>
<td>Mist.</td>
</tr>
</tbody>
</table>

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

<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>STEL</td>
<td>10 mg/m3</td>
<td>Mist.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>10 mg/m3</td>
<td>Mist.</td>
</tr>
</tbody>
</table>

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work 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>STEL</td>
<td>10 mg/m3</td>
<td>Mist.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>10 mg/m3</td>
<td>Mist.</td>
</tr>
</tbody>
</table>

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>Coconut oil (CAS 8001-31-8)</td>
<td>PEL</td>
<td>5 mg/m3</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mg/m3</td>
<td>Mist</td>
</tr>
</tbody>
</table>

Exposure guidelines
Follow standard monitoring procedures.

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

Personal protective equipment

Eye / face protection
Wear goggles/face shield.

Skin protection
Wear appropriate chemical resistant gloves. 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.

9. Physical & Chemical Properties

Appearance
Liquid.

Physical state
Liquid.

Form
Liquid.
10. Chemical Stability & Reactivity Information

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.

Conditions to avoid
Heat, flames and sparks.

Incompatible materials

Hazardous decomposition products

Possibility of hazardous reactions
Hazardous polymerization does not occur.

11. Toxicological Information

Toxicological information
Occupational exposure to the substance or mixture may cause adverse effects.

Acute effects
May cause discomfort if swallowed.

Sensitization
May cause allergic skin reaction.

Local effects
Irritating to eyes and skin. May cause drowsiness or dizziness.

Chronic effects
May cause central nervous system effects.

Carcinogenicity
Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity
Limonene (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans.

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/irritation
Causes eye irritation.

Mutagenicity
Not classified.

Reproductive effects
Not classified.

Teratogenicity
Not classified.

Symptoms and target organs
Irritating to eyes, respiratory system and skin. Irritation of nose and throat. Irritating to mucous membranes. Sensitization.

Synergistic materials
Not available.

Further information
Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
12. Ecological Information

Ecotoxicological data

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

Ecotoxicity
Toxic to aquatic life with long lasting effects.

Environmental effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Aquatic toxicity
Toxic to aquatic life.

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

Partition coefficient
Limonene (CAS 5989-27-5) 4.232

Other adverse effects
No data available.

13. Disposal Considerations

Disposal instructions
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.

Waste from residues / unused products
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

TDG

UN number UN1139
UN proper shipping name COATING SOLUTION
Transport hazard class(es)
Class 3
Subsidiary risk -
Packing group III
Environmental hazards Yes
Special precautions for user Read safety instructions, MSDS and emergency procedures before handling.

IATA

UN number UN1139
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 UN1139
UN proper shipping name COATING SOLUTION
Transport hazard class(es)
Class 3
Subsidiary risk -
Label(s) 3
Packing group III
Environmental hazards Yes
Marine pollutant F-E, S-E

Spartacote Flex SB Part A MSDS Canada
925836 Version #: 01 Revision date: - Issue date: 19-May-2015
**Special precautions for user**
Read safety instructions, MSDS and emergency procedures before handling.

**General information**
IATA classification is not relevant as the material is not transported by air.

**15. Regulatory Information**

**Canadian regulations**
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS status**
Controlled

**WHMIS classification**
B3 - Combustible Liquids
D2B - Other Toxic Effects-TOXIC

**WHMIS labeling**

**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>
<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**

**NFPA ratings**
Health: 2
Flammability: 2
Instability: 0

**Disclaimer**
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**Prepared by**
LATICRETE International