SAFETY DATA SHEET

1. Identification

Product identifier: Spartacote Flex SB Part A
Other means of identification: None.
Recommended use: Decorative coating.
Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information Company
Name: LATICRETE MIDDLE EAST LLC
Address: P.O. Box. 86028, Ras Al Khaimah, United Arab Emirates
Telephone: +971 7 244 6396
Contact person: Mohmed Rafiq. M
Website: www.laticrete.com www.laticrete.me

2. Hazard(s) identification

Physical hazards: Flammable liquids Category 3
Health hazards: Skin corrosion/irritation Category 2
Sensitization, skin Category 1
Specific target organ toxicity, single exposure Category 3 narcotic effects
Aspiration hazard Category 1
Environmental hazards: Hazardous to the aquatic environment, long-term hazard Category 2
OSHA defined hazards: Not classified.

Label elements

Signal word: Danger
Hazard statement: 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
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 or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If swallowed: Immediately call a poison center/doctor. Collect spillage.
3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetraethyl n,n’-(methylenediacyclohexane-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>

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: 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.

Most important symptoms/effects, acute and delayed: Irritating to eyes, respiratory system and skin. Irritation of nose and throat. Irritating to mucous membranes. Sensitization.

Indication of immediate medical attention and special treatment needed: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. 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: 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 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.

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**

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 spills 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. Use personal protection recommended in Section 8 of the SDS.

**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.

**Environmental precautions**

Never return spills in original containers for re-use.

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

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.

**Conditions for safe storage, including any incompatibilities**


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>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>

**US. NIOSH: Pocket Guide to Chemical Hazards**

<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>5 mg/m3</td>
<td>Respirable.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg/m3</td>
<td>Mist.</td>
</tr>
</tbody>
</table>

**US. Workplace Environmental Exposure Level (WEEL) Guides**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limonene (CAS 5989-27-5)</td>
<td>TWA</td>
<td>165.5 mg/m3 30 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, such as personal protective equipment**

**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. Wear appropriate chemical resistant gloves. 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. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure, air-supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
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 %

Explosive limit - lower (%)
Not available.

Explosive limit - upper (%)
Not available.

Vapor pressure
3 mm Hg (100°F/38°C)

Vapor density
3.99 (air=1)

Relative density
0.99

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.

Incompatible materials

Hazardous decomposition products

11. Toxicological information

Information on likely 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 the physical, chemical and toxicological characteristics
Irritating to eyes, respiratory system and skin. Irritation of nose and throat. Irritating to mucous membranes. Sensitization.

Information on toxicological effects

Acute toxicity
May cause discomfort if swallowed.

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye 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.

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

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

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.

Further 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.

<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>Aquatic</td>
<td></td>
<td></td>
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<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>

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

Bioaccumulative potential
No data available for this product.

Partition coefficient n-octanol / water (log Kow)
Limonene (CAS 5989-27-5) 4.232

Mobility in soil
No data available.

Mobility in general
The product is insoluble in water.
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.

Local disposal regulations: Dispose of in accordance with local regulations.

Hazardous waste code: Waste codes should be assigned by the user based on the application for which the product was used.

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

DOT

UN number: UN1139
UN proper shipping name: Coating solution
Transport hazard class(es):
- Class: 3
- Subsidiary risk: -
- Label(s): 3

Environmental hazards:
- Marine pollutant: Yes

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

Special provisions:
- B1, IB3, T2, TP1

Packaging exceptions:
- 150

Packaging non bulk:
- 203

Packaging bulk:
- 242

IATA

UN number: UN1139
UN proper shipping name: Coating solution
Transport hazard class(es):
- Class: 3
- Subsidiary risk: -
- Label(s): 3

Environmental hazards:
- Marine pollutant: Yes

ERG Code:
- B1, IB3, T2, TP1

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

Environmental hazards:
- Marine pollutant: Yes

EmS:
- F-E, $S\cdot E$

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:
- Not available.

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

Other adverse effects: No data available.
15. Regulatory information

**US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

**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>Yes</th>
<th>Delayed Hazard</th>
<th>No</th>
<th>Fire Hazard</th>
<th>Yes</th>
<th>Pressure Hazard</th>
<th>No</th>
<th>Reactivity Hazard</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SARA 302 Extremely hazardous substance</strong></td>
<td>Not listed.</td>
<td></td>
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<tr>
<td><strong>SARA 311/312 Hazardous chemical</strong></td>
<td>Yes</td>
<td></td>
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<tr>
<td><strong>SARA 313 (TRI reporting)</strong></td>
<td>Not regulated.</td>
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</tbody>
</table>

**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**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**US. Massachusetts RTK - Substance List**

Coconut oil (CAS 8001-31-8)

**US. New Jersey Worker and Community Right-to-Know Act**

Coconut oil (CAS 8001-31-8)

Limonene (CAS 5989-27-5)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Coconut oil (CAS 8001-31-8)

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

Not Listed.

**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>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>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>

*"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**: 19-May-2015
- **Revision date**: -
- **Version #**: 01

### NFPA ratings

- **Fire**: 2
- **Health**: 0
- **Reactivity**: 2

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

### Disclaimer

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