



# MATERIAL SAFETY DATA SHEET

## 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.

**Target organs** Eyes. Skin. Respiratory system. Central nervous system.  
**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

Components	CAS #	Percent
Tetraethyl n,n'-(methylenedicyclohexane-4,1-diyl)bis-dl-aspartate	136210-30-5	57-62
Solvent naphtha (petroleum), light aromatic	64742-95-6	30-35
Coconut oil	8001-31-8	2-3
Aliphatic carboxylic ester	623-91-6	0.6-3.5
Limonene	5989-27-5	1-2

**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

##### 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** Carbon monoxide. Carbon dioxide. Sulfur oxides. Nitrogen oxides. Hydrocarbons.

#### 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** Follow rules for flammable liquids. Keep away from heat, sparks and open flame. Store in cool place. Keep in a well-ventilated place. Keep container tightly closed. Keep in an area equipped with sprinklers. Keep this material away from food, drink and animal feed. Use care in handling/storage. Keep away from sources of ignition - No smoking.

## 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)

Components	Type	Value	Form
Coconut oil (CAS 8001-31-8)	TWA	3 mg/m <sup>3</sup>	Respirable mist.
		10 mg/m <sup>3</sup>	Mist.

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

Components	Type	Value	Form
Coconut oil (CAS 8001-31-8)	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	10 mg/m <sup>3</sup>	Mist.

#### Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value	Form
Coconut oil (CAS 8001-31-8)	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	10 mg/m <sup>3</sup>	Mist.

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Coconut oil (CAS 8001-31-8)	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Mist

**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.

<b>Color</b>	Not available.
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Vapor pressure</b>	3 mm Hg (100°F/38°C)
<b>Vapor density</b>	3.99 (air=1)
<b>Boiling point</b>	280 - 365 °F (137.78 - 185 °C)
<b>Melting point/Freezing point</b>	Not applicable.
<b>Solubility (water)</b>	Insoluble in water.
<b>Specific gravity</b>	0.99
<b>Flash point</b>	125.0 °F (51.7 °C) Tag Closed Cup
<b>Flammability limits in air, upper, % by volume</b>	6.4 %
<b>Flammability limits in air, lower, % by volume</b>	0.9 %
<b>Auto-ignition temperature</b>	Not available.
<b>Evaporation rate</b>	Not applicable.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Other data</b>	
<b>Flammability (solid, gas)</b>	Not applicable.

## 10. Chemical Stability & Reactivity Information

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Risk of ignition. Stable at normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Strong oxidizing agents. Strong acids. Strong bases.
<b>Hazardous decomposition products</b>	Carbon monoxide. Carbon dioxide. Sulfur oxides. Nitrogen oxides. Hydrocarbons.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

<b>Toxicological information</b>	Occupational exposure to the substance or mixture may cause adverse effects.
<b>Acute effects</b>	May cause discomfort if swallowed.
<b>Sensitization</b>	May cause allergic skin reaction.
<b>Local effects</b>	Irritating to eyes and skin. May cause drowsiness or dizziness.
<b>Chronic effects</b>	May cause central nervous system effects.
<b>Carcinogenicity</b>	Not classifiable as to carcinogenicity to humans.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	
Limonene (CAS 5989-27-5)	3 Not classifiable as to carcinogenicity to humans.
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/irritation</b>	Causes eye irritation.
<b>Mutagenicity</b>	Not classified.
<b>Reproductive effects</b>	Not classified.
<b>Teratogenicity</b>	Not classified.
<b>Symptoms and target organs</b>	Irritating to eyes, respiratory system and skin. Irritation of nose and throat. Irritating to mucous membranes. Sensitization.
<b>Synergistic materials</b>	Not available.
<b>Further information</b>	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

## 12. Ecological Information

### Ecotoxicological data

Components	Species	Test Results
Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EL50 Daphnia	4.5 mg/l, 48 hours
Fish	LL50 Oncorhynchus mykiss	10 mg/l, 96 hours
<b>Ecotoxicity</b>	Toxic to aquatic life with long lasting effects.	
<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.	
<b>Aquatic toxicity</b>	Toxic to aquatic life.	
<b>Persistence and degradability</b>	No data is available on the degradability of this product.	
<b>Partition coefficient</b>		
Limonene (CAS 5989-27-5)	4.232	
<b>Other adverse effects</b>	No data available.	

## 13. Disposal Considerations

<b>Disposal instructions</b>	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.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	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

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

### IATA

<b>UN number</b>	UN1139
<b>UN proper shipping name</b>	Coating solution
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	3
<b>Packing group</b>	III
<b>Environmental hazards</b>	Yes
<b>ERG Code</b>	3L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

### IMDG

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

**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

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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

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

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