A low VOC and minimal odor, fast curing, two part polyaspartic aliphatic polyurea sealer/finish coating for hospitals, veterinary clinics, pharmaceutical facilities, and more... Important characteristics of SPARTACOTE® FLEX PURE CLINICAL PLUS™ are its rapid-cure, its durable, seamless finish, and its antimicrobial properties. This product is low VOC and does not emit strong solvent odors during installation.

Section 1: Summary

CONTENT INVENTORY

- **Inventory Reporting Format**
  - Nested Materials Method
  - Basic Method

- **Threshold Disclosed Per**
  - Material
  - Product

Threshold level
- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Other

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?
- Yes
- No

All Substances Above the Threshold Indicated Are:
- Characterized
- Yes Ex/SC
- Yes
- No

% weight and role provided for all substances:
- Yes
- No

Screened
- Yes Ex/SC
- Yes
- No

All substances screened using Priority Hazard Lists with results disclosed.

Identified
- Yes Ex/SC
- Yes
- No

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/or one or more Special Condition did not follow guidance.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

### MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY | GREENSCREEN SCORE | HAZARD TYPE

**SPARTACOTE® FLEX PURE CLINICAL PLUS™**
- Hexamethylene Diisocyanate Homopolymer (HDI Homopolymer) LT-P1
- Tetraethyl N,N'-[Methylenedicyclohexane-4,1-diyl]bis-DL-Aspartate LT-UNK
- [Ski Bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane] LT-UNK | [Ski Dipropylene Glycol Methyl Ether Acetate (DPMA)] LT-UNK 2-Butenedioic Acid (E-), Diethyl Esters LT-UNK 1,6-Hexamethylene Diisocyanate LT-UNK
- Undisclosed BM-1 | PBT | Mul Undisclosed NoGS
- Undisclosed 1,6-Hexamethylene Diisocyanate LT-UNK
- Res | Ski | Eye | Mam Undisclosed LT-P1 | Mul Undisclosed LT-P1 | Aqu | Ski | End | Mul | Phy

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This HPD was Created with Basic Inventory. Materials listed as Undisclosed in Section 2 is done to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards of these components.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

- Material (g/l): 61
- Regulatory (g/l): 61
- Does the product contain exempt VOCs: No
- Are ultra-low VOC tints available: N/A

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

- VOC emissions: N/A
- VOC content: TDS 251 "Low VOC LATICRETE Products / LEED Certification"

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?
- PREPARER: Self-Prepared
- SCREENING DATE: 2020-11-04
Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

---

**SPARTACOTE® FLEX PURE CLINICAL PLUS™**

**PRODUCT THRESHOLD:** 100 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** Residuals and impurities are measured by quantitative methods and are only displayed when they are potentially greater than 100 ppm.

**OTHER PRODUCT NOTES:** See SDS at www.laticrete.com for occupational exposure information.

---

**HEXAMETHYLENE DIISOCYANATE HOMOPOLYMER (HDI HOMOPOLYMER)**  
**ID:** 28182-81-2

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE</th>
<th>2020-11-04</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 38.0000 - 45.0000</td>
<td>GS: LT-P1</td>
<td>RC: None</td>
<td>NANO: No</td>
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</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**

**WARNINGS**  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** The amount of this component may vary based on the plant of manufacture.

---

**TETRAETHYL N,N'-(METHYLENEDICYCLOHEXANE-4,1-DIYL)BIS-DL-ASPARTATE**  
**ID:** 136210-30-5

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<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE</th>
<th>2020-11-04</th>
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</thead>
<tbody>
<tr>
<td>%: 30.0000 - 36.0000</td>
<td>GS: LT-UNK</td>
<td>RC: None</td>
<td>NANO: No</td>
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</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**

**WARNINGS**  
H317 - May cause an allergic skin reaction

**SUBSTANCE NOTES:** The amount of this component may vary based on the plant of manufacture.

---

**BIS(4-(1,2-BIS(ETHOXYCARBONYL)ETHYLAMINO)-3-METHYLCYCLOHEXYL)METHANE**  
**ID:** 136210-32-7

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE</th>
<th>2020-11-04</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 10.0000 - 15.0000</td>
<td>GS: LT-UNK</td>
<td>RC: None</td>
<td>NANO: No</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**

**WARNINGS**  
H317 - May cause an allergic skin reaction

**SUBSTANCE NOTES:** The amount of this component may vary based on the plant of manufacture.
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  HAZARD SCREENING DATE: 2020-11-04

DIPROPYLENE GLYCOL METHYL ETHER ACETATE (DPMA)

ID: 88917-22-0

HAZARD TYPE: AGENCY AND LIST TITLES

None found

WARNINGS

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The amount of this component may vary based on the plant of manufacture.

2-BUTENEDIOIC ACID (E)-, DIETHYL ESTER

ID: 623-91-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  HAZARD SCREENING DATE: 2020-11-04

%: 2.0000 - 5.0000  GS: LT-UNK  RC: None  NANO: No  SUBSTANCE ROLE: Defoamer

HAZARD TYPE: AGENCY AND LIST TITLES

None found

WARNINGS

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The amount of this component may vary based on the plant of manufacture.

COCONUT OIL

ID: 8001-31-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  HAZARD SCREENING DATE: 2020-11-04

%: 1.0000 - 3.0000  GS: LT-UNK  RC: None  NANO: No  SUBSTANCE ROLE: Processing regulator

HAZARD TYPE: AGENCY AND LIST TITLES

None found

WARNINGS

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The amount of this component may vary based on the plant of manufacture.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  HAZARD SCREENING DATE: 2020-11-04

%: 1.0000 - 1.5000  GS: BM-1  RC: None  NANO: No  SUBSTANCE ROLE: Heat or UV stabilizer

PBT  EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBITE) to the Environment (based on aquatic organisms)

MULTIPLE  German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: The amount of this component may vary based on the plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  HAZARD SCREENING DATE: 2020-11-04

%: 0.5000 - 1.0000  GS: NoGS  RC: None  NANO: No  SUBSTANCE ROLE: Heat or UV stabilizer
## 1,6-HEXAMETHYLENE DIISOCYANATE

**ID:** 822-06-0

<table>
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<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE</th>
<th>2020-11-04</th>
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</thead>
<tbody>
<tr>
<td>%:</td>
<td>0.2000 - 0.4000</td>
<td>GS: LT-UNK</td>
<td>RC: None</td>
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<tr>
<td></td>
<td></td>
<td>NANO: No</td>
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<tr>
<td>SUBSTANCE ROLE:</td>
<td>Activator</td>
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</tbody>
</table>

### WARNINGS

- **RESPIRATORY**
  - AOEC - Asthmagens
    - Asthagen (G) - generally accepted
  - MAK
    - Sensitizing Substance Sah - Danger of airway & skin sensitization

### SUBSTANCE NOTES:
The amount of this component may vary based on the plant of manufacture.

---

## UNDISCLOSED

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE</th>
<th>2020-11-04</th>
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</thead>
<tbody>
<tr>
<td>%:</td>
<td>0.1000 - 0.2000</td>
<td>GS: LT-P1</td>
<td>RC: None</td>
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<tr>
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<td>NANO: No</td>
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</tr>
<tr>
<td>SUBSTANCE ROLE:</td>
<td>Heat or UV stabilizer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### WARNINGS

- **MULTIPLE**
  - **German FEA - Substances Hazardous to Waters**
    - Class 2 - Hazard to Waters

### SUBSTANCE NOTES:
The amount of this component may vary based on the plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards.
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACUTE AQUATIC</td>
<td>EU - GHS (H-Statements)</td>
<td>H400 - Very toxic to aquatic life</td>
</tr>
<tr>
<td>CHRON AQUATIC</td>
<td>EU - GHS (H-Statements)</td>
<td>H410 - Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H314 - Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
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<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 3 - Severe Hazard to Waters</td>
</tr>
<tr>
<td>PHYSICAL HAZARD (REACTIVE)</td>
<td>EU - GHS (H-Statements)</td>
<td>H272 - May intensify fire; oxidiser</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** The amount of this component may vary based on the plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards.
Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

**VOC EMISSIONS**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
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</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Applies to All Facilities</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
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</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2020-10-12</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>LATICRETE</td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:** SPARTACOTE® FLEX PURE CLINICAL PLUS™ has not been tested for VOC emissions.

**VOC CONTENT**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
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</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Applies to All Facilities</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://cdn.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx">https://cdn.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx</a></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2020-08-12</td>
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<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>LATICRETE</td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:** Meets LEED v4.1 "Low Emitting Materials" VOC Content Requirements per SCAQMD Rule 1113 (industrial Maintenance (IM) Coatings).

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

SPARTACOTE® FLEX PURE CLINICAL PLUS™ meets the Living Building Challenge v4.0 requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, SPARTACOTE FLEX PURE CLINICAL PLUS does not contain the following: Antimicrobials (marketed with a health claim) • Alkylphenols and related compounds • Asbestos • Bisphenol A (BPA) and structural analogues • California Banned Solvents & Solvent Vapors • Chlorinated Polymers, including Chlorinated Polyethylene (CPE), Chlorinated Polyvinyl Chloride (CPVC), Chloroprene (neoprene monomer), Chlorosulfonated polyethylene (CSPE), Polyvinylidene chloride (PVDC), and Polyvinyl Chloride (PVC) • Chlorobenzenes • Chlorofluorocarbons (CFCs) & Hydrochlorofluorocarbons (HCFCs) • Formaldehyde (added) • Monomeric, polymeric and organo-phosphate halogenated flame retardants (HFRs) • Organotin Compounds • Perfluorinated Compounds (PFCs) • Phthalates (orthophthalates) • Polychlorinated Biphenyls (PCBs) • Polycyclic Aromatic Hydrocarbons (PAH) • Short-Chain and Medium-Chain Chlorinated Paraffins • Toxic Heavy Metals - Arsenic, Cadmium, Chromium, Lead (added), and Mercury • Wood treatments containing Creosote, Arsenic or Pentachlorophenol. See Section 1 for Volatile Organic Compounds (VOC) (wet applied products) information.
MANUFACTURER INFORMATION

MANUFACTURER: LATICRETE International
ADDRESS: 1 Laticrete Park North
Bethany CT 06524, USA
WEBSITE: https://spartacote.com

CONTACT NAME: Mitch Hawkins
TITLE: Senior Manager, Technical Services
PHONE: 203-393-4619
EMAIL: wmhawkins@laticrete.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

<table>
<thead>
<tr>
<th>Hazard Types</th>
<th>LAN</th>
<th>PHY</th>
<th>CAN</th>
<th>MAM</th>
<th>DEV</th>
<th>MUL</th>
<th>END</th>
<th>EYE</th>
<th>GEN</th>
<th>GLO</th>
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<tr>
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<td>CAN Cancer</td>
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<td>EYE Eye irritation/corrosivity</td>
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<tr>
<td>GEN Gene mutation</td>
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<td>GLO Global warming</td>
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</tbody>
</table>

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
NoGS No GreenScreen.

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard.