SPARTACOTE® FLEX PURE™
by LATICRETE International

CLASSIFICATION: 09 67 23.00

PRODUCT DESCRIPTION: A low VOC and minimal-odor, fast-curing, two-part polyaspartic aliphatic polyurea sealer/finish coating for both decorative and protective applications. The material is applied in single or multiple coats by brush, roller or squeegee varying thicknesses to a variety of substrates including concrete and metal. It can be applied as a top coat employed within seamless multi-build chip/quartz seamless flooring systems.

Section 1: Summary

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™ [ TETRAETHYL N,N-(METHYLENEDICYCLOHEXANE-4,1-DIYL)BIS-DL-ASPARTATE (TETRAETHYL N,N-(METHYLENEDICYCLOHEXANE-4,1-DIYL)BIS-DL-ASPARTATE) LT-UNK | SKI | AQU HEXAMETHYLENE DIISOYANATE HOMOPOLYMER (HDI HOMOPOLYMER) (HEXAMETHYLENE DIISOYANATE HOMOPOLYMER (HD) HOMOPOLYMER) LT-P1 | BIS(4-{1,2-BIS(ETHOXYCARBONYL)ETHYLAMINO}-3-METHYLCTCYCLOHEXYL)METHANE (BIS(4-{1,2-BIS(ETHOXYCARBONYL)ETHYLAMINO}-3-METHYLCTCYCLOHEXYL)METHANE) LT-UNK | SKI | AQU DIPOROPYLENE GLYCOL METHYL ETHER ACETATE (DPMA) (DIPOROPYLENE GLYCOL METHYL ETHER ACETATE (DPMA)) LT-UNK | 2-BUTENEDIOIC ACID (E)-, DIETHYL ESTER (2-BUTENEDIOIC ACID (E)-, DIETHYL ESTER) LT-UNK | COCONUT OIL (COCONUT OIL) NoGS | 1,6-HEXAMETHYLENE DIISOYANATE (1,6-HEXAMETHYLENE DIISOYANATE) LT-UNK | MAM | EYE | SKI | RES DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER; (DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER) LT-P1 | PST | MUL POLY (OXY-1,2 ETHANEDYLYL, ALPHA-3-[3-{2-HZ-BENZOTRIAOL-2-YL]-5-{(1,1-D IMETHYLETHYL)-4-HYDROXYPHENYL}-1-OXOPROPYL}, OMEGA-3-{3-(2-HZ-BENZOTRIAOL-2-YL)-5-{(1,1-D IMETHYLETHYL)-4-HYDROXYPHENYL}-1-OXOPROPYL}, OMEGA-1-OXOPROPYXY-NDGS | POLY (OXY-1,2 ETHANEDYLYL, ALPHA-3-{3-(2-HZ-BENZOTRIAOL-2-YL)-5-{(1,1-D IMETHYLETHYL)-4-HYDROXYPHENYL}-1-OXOPROPYL}, OMEGA-1-OXOPROPYXY-NDGS | MUL | MUL | VOLATILE ORGANIC COMPOUND (VOC) CONTENT
Material (g/l): 3.39
Regulatory (g/l): N/A
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 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?  Yes

PREPARER: Self-Prepared
VERIFIER: 
VERIFICATION #: 

SCREENING DATE: 2017-11-28
PUBLISHED DATE: 2017-11-28
EXPIRY DATE: 2020-11-28

SPARTACOTE FLEX PURE

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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 2.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

**SPARTACOTE® FLEX PURE™**

**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 [https://laticrete.com](https://laticrete.com) for occupational exposure information.

<table>
<thead>
<tr>
<th>ID: 136210-30-5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TETRAETHYL N,N’-(METHYLENEDICYCLOHEXANE-4,1-DIYL)BIS-DL-ASPARTATE (TETRAETHYL N,N’-(METHYLENEDICYCLOHEXANE-4,1-DIYL)BIS-DL-ASPARTATE)</strong></td>
</tr>
<tr>
<td>%: 35.0000 - 40.0000</td>
</tr>
<tr>
<td><strong>HAZARDS:</strong></td>
</tr>
<tr>
<td><strong>SKIN SENSITIZE</strong></td>
</tr>
<tr>
<td>EU - R-phrases</td>
</tr>
<tr>
<td><strong>ACUTE AQUATIC</strong></td>
</tr>
<tr>
<td>EU - R-phrases</td>
</tr>
<tr>
<td><strong>SKIN SENSITIZE</strong></td>
</tr>
<tr>
<td>EU - GHS (H-Statements)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>ID: 28182-81-2</th>
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</thead>
<tbody>
<tr>
<td><strong>HEXAMETHYLENE DIISOCYANATE HOMOPOLYMER (HDI HOMOPOLYMER) (HEXAMETHYLENE DIISOCYANATE HOMOPOLYMER)</strong></td>
</tr>
<tr>
<td>%: 35.0000 - 42.0000</td>
</tr>
<tr>
<td><strong>HAZARDS:</strong></td>
</tr>
<tr>
<td>None Found</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>ID: 136210-32-7</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BIS(4-(1,2-BIS(ETHOXYCARBONYL)ETHYLAMINO)-3-METHYLCYCLOHEXYL)METHANE (BIS(4-(1,2-BIS(ETHOXYCARBONYL)ETHYLAMINO)-3-METHYLCYCLOHEXYL)METHANE)</strong></td>
</tr>
<tr>
<td>%: 10.0000 - 15.0000</td>
</tr>
<tr>
<td><strong>HAZARDS:</strong></td>
</tr>
<tr>
<td><strong>SKIN SENSITIZE</strong></td>
</tr>
<tr>
<td>EU - R-phrases</td>
</tr>
<tr>
<td>COMPONENT</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>DIPROPYLENE GLYCOL METHYL ETHER ACETATE (DPMA) (DIPROPYLENE GLYCOL METHYL ETHER ACETATE (DPMA))</td>
</tr>
<tr>
<td>2-BUTENEDIOL ACID (E)-, DIETHYL ESTER (2-BUTENEDIOL ACID (E)-, DIETHYL ESTER)</td>
</tr>
<tr>
<td>COCONUT OIL (COCONUT OIL)</td>
</tr>
<tr>
<td>1,6-HEXAMETHYLENE DIISOCYANATE (1,6-HEXAMETHYLENE DIISOCYANATE)</td>
</tr>
</tbody>
</table>
RESPIRATORY

AOEC - Asthmagens

Asthmagens (G) - generally accepted

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

MAMMALIAN

EU - GHS (H-Statements)

H331 - Toxic if inhaled

RESPIRATORY

EU - GHS (H-Statements)

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

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

**DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER; (DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER;)

ID: 41556-26-7

%: 0.1000 - 0.5000

GS: LT-P1

RC: None

NANO: No

ROLE: UV Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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.

**POLY (OXY-1,2 ETHANEDIYL), ALPHA.-3[3-[3-(2H-BENZOTRIAZOL-2- YL)-5- ( 1, 1-D IMETHYLETHYL)-4 HYDROXYPHENYL]-1-OXOPROPYL]. OMEGA.-[3-[3-(2 H-BENZOTRIAZOL-2-YL)-5-(1, 1-DIMETHYLETHYL)-4-HYDROYPHENOL]-1-OXOPROPOXY)-

ID: Not Registered

%: 0.1000 - 0.5000

GS: NoGS

RC: None

NANO: No

ROLE: UV Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CHRON AQUATIC

EU - GHS (H-Statements)

H413 - May cause long lasting harmful effects to aquatic life

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

**POLY (OXY-1 ,2-ETHANEDIYL), .ALPHA.-[3-[3(2H-BENZOTRIAZOL-2- YL)-5- ( 1, 1-DIMETHYLETHYL)-4 HYDROXYPHENYL]-1-OXOPROPYL]. OMEGA.- [3-[3-(2 H-BENZOTRIAZOL-2-YL)-5-(1, 1-DIMETHYLETHYL)-4-HYDROYPHENOL]-1-OXOPROPOXY)-

ID: Not Registered

%: 0.1000 - 0.5000

GS: NoGS

RC: None

NANO: No

ROLE: UV Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CHRON AQUATIC

EU - GHS (H-Statements)

H413 - May cause long lasting harmful effects to aquatic life
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 CONTENT

**CERTIFYING PARTY:** Self-declared  
**APPLICABLE FACILITIES:** Applies to All Facilities  
**CERTIFICATE URL:** https://cdn.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx?la=en&vs=1&d=20171127T140453Z

**CERTIFICATION AND COMPLIANCE NOTES:** Meets LEED v4 "Low Emitting Materials" VOC content requirements. VOC emission testing (CDPH v1.1) shows results are between 0.5 and 5.0 mg/m³.

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™ meets the Living Building Challenge requirement that the product does not contain any of
the Red Listed Materials or Chemicals. Specifically, SPARTACOTE FLEX PURE does not contain the following:

- Alkylphenols
- Asbestos
- Bisphenol A (BPA)
- Cadmium
- Chlorinated Polyethylene & Chlorosulfonated Polyethylene
- Chlorobenzenes
- Chlorofluorocarbons (CFCs) & Hydrochlorofluorocarbons (HCFCs)
- Chloroprene (Neoprene)
- Chromium VI
- Chlorinated Polyvinyl Chloride (CPVC)
- Formaldehyde (all types - added)
- Halogenated Flame Retardants (HFRs)
- Lead (added)
- Mercury
- Polychlorinated Biphenyls (PCBs)
- Perfluorinated Compounds (PFCs)
- Phthalates
- Polyvinyl Chloride (PVC)
- Polyvinylidene Chloride (PVDC)
- Short Chain Chlorinated Paraffins
- Wood treatments containing Creosote, Arsenic or Pentachlorophenol.

SPARTACOTE FLEX PURE also does not contain the following California-defined Group II toxic exempt solvents:

- Methylene Chloride (Dichloromethane)
- 1,1,1-trichloroethane (methyl chloroform)
- Trichlorofluoromethane (CFC-11)
- Dichlorofluoromethane (CFC-12)
- 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113)
- 1,2-dichloro-1,2,2-tetrafluoroethane (CFC-114)
- Chloropentafluoroethane (CFC-115)
- Cyclic, Branched or Linear, Completely Methylated Siloxanes (VMS)
- Tetrachloroethylene (perchloroethylene)
- Ethylfluoride (HFC-161)
- 1,1,1,3,3,3-hexafluoropropane (HFC-236fa)
- 1,1,2,3,3-pentafluoropropane (HFC-245ca)
- 1,1,2,3,3-pentafluoropropane (HFC-245ea)
- 1,1,1,2,3-pentafluoropropane (HFC-245eb)
- 1,1,1,3,3-pentafluoropropane (HFC-245fa)
- 1,1,2,3,3-hexafluoropropane (HFC-236ea)
- 1,1,1,3,3-pentafluorobutane (HFC-365mfc)
- Chlorofluoromethane (HCFC-31)
- 1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a)
- 1 chloro-1-fluoroethene (HCFC-151a)

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: LATICRETE International
ADDRESS: 1 Laticrete Park North
Bethany CT 06524, USA
WEBSITE: www.laticrete.com

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

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

- AQU Aquatic toxicity
- CAN Cancer
- DEV Developmental toxicity
- END Endocrine activity
- EYE Eye irritation/corrosivity
- GEN Gene mutation
- GLO Global warming
- MAM Mammalian/systemic/organ toxicity
- MUL Multiple hazards
- NEU Neurotoxicity
- OZO Ozone depletion
- PBT Persistent Bioaccumulative Toxic
- PHY Physical Hazard (reactive)
- REP Reproductive toxicity
- RES Respiratory sensitization
- SKI Skin sensitization/irritation/corrosivity
- LAN Land Toxicity
- NF Not found on Priority Hazard Lists

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 Unspec'd (insuff cient data to benchmark)
- LT-P1 List Translator Possible Benchmark 1
- LT-1 List Translator Likely Benchmark 1
- LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
- NoGS Unknown (no data on List Translator Lists)

Recycled Types

- PreC Preconsumer (Post-Industrial)
- PostC Postconsumer
- Both Both Preconsumer and Postconsumer
- Unk Inclusion of recycled content is unknown

SPARTACOTE FLEX PURE
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Other Terms

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.

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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 noted.