

CLASSIFICATION: 09 67 23.00

created via: HPDC Online Builder

PRODUCT DESCRIPTION: A FAST-CURING, TWO-PART, POLYASPARTIC ALIPHATIC POLYUREA SEALER/FINISH COATING FOR BOTH DECORATIVE AND PROTECTIVE APPLICATIONS. AS AN INDUSTRIAL MAINTENANCE COATING, THIS MATERIAL IS SELF-PRIMING AND MAY BE APPLIED IN SINGLE OR MULTIPLE COATS BY BRUSH, ROLLER, BROOM, SQUEEGEE, OR IN VARYING THICKNESSES TO A VARIETY OF SUBSTRATES INCLUDING CONCRETE AND METAL.

Section 1: Summary

CONTENT INVENTORY

Threshold per material	Residuals and impurities considered in	Based on the selected Content Inventory Threshold:	
<input type="radio"/> 100 ppm	0 of 1 materials	Characterized.....	<input checked="" type="radio"/> <input type="radio"/>
<input checked="" type="radio"/> 1,000 ppm	<input checked="" type="radio"/> see Section 2: Material Notes	Are the Percent Weight and Role provided for all substances?	Yes No
<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> see Section 5: General Notes	Screened.....	<input checked="" type="radio"/> <input type="radio"/>
<input type="radio"/> Per OSHA MSDS		Are all substances screened using Priority Hazard Lists with results disclosed?	Yes No
<input type="radio"/> Other		Identified.....	<input type="radio"/> <input checked="" type="radio"/>
		Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes No

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.

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

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

SPARTACOTE® FLEX SB™ [TETRAETHYL N,N'-(METHYLENEDICYCLOHEXANE-4,1-DIYL)BIS-DL-ASPARTATE **LT-UNK** | SKI | AQU HEXAMETHYLENE DIISOCYANATE HOMOPOLYMER (HDI HOMOPOLYMER) **LT-P1** AROMATIC NAPHTHA, TYPE 1 **LT-1** | CAN | GEN | MAM | MUL | END COCONUT OIL **NoGS** POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-[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-HYDROXYPHENYL]-1- OXOPROPOXY)- **UNK** | SKI | AQU D-LIMONENE **LT-1** | SKI | AQU | PBT | MUL 1,6-HEXAMETHYLENE DIISOCYANATE **LT-UNK** | MAM | EYE | SKI | RES 2-BUTENEDIOIC ACID (E)-, DIETHYL ESTER **LT-UNK** POLY(OXY-1 ,2-ETHANEDIYL), .ALPHA.-[3-[3-(2H-BENZOTRIAZOL-2- YL)-5- (1, 1-D IMETHYLETHYL)-4-HYDROXYPHENYL]-1-OXOPROPYL]. OMEGA. -HYDROXY- **UNK** | SKI | AQU DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER; **LT-P1** | PBT | MUL UNDISCLOSED **NoGS** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-1** | CAN | GEN | MAM | MUL UNDISCLOSED **LT-P1** | MUL UNDISCLOSED **LT-UNK** OCTAMETHYLCYCLOTETRASILOXANE (D4) **BM-1** | REP | END | PBT | MUL]

INVENTORY AND SCREENING NOTES:

This HPD was created with Basic Inventory.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 127 Regulatory (g/l):
Does the product contain exempt VOCs:
No
Are ultra-low VOC tints available: N/A

CERTIFICATIONS AND COMPLIANCE

VOC content: TDS 251 "Low VOC LATICRETE® Products"

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: March 27, 2017	EXPIRY DATE*: March 27, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: March 27, 2017	* or within 3 months of significant change in product contents

*See HPDC website for details



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

SPARTACOTE® FLEX SB™

%: 100.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: See SDS at www.laticrete.com for occupational exposure information.

TETRAETHYL N,N'-(METHYLENEDICYCLOHEXANE-4,1-DIYL)BIS-DL-ASPARTATE

ID: 136210-30-5

%: 30.0000 - 38.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

ACUTE AQUATIC

EU - R-phrases

R52 - Harmful to Aquatic Organisms

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

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

HEXAMETHYLENE DIISOCYANATE HOMOPOLYMER (HDI HOMOPOLYMER)

ID: 28182-81-2

%: 30.0000 - 38.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: Activator

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

AROMATIC NAPHTHA, TYPE 1

ID: 64742-95-6

%: 25.0000 - 35.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Solvent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - R-phrases

R45 - May cause cancer

GENE MUTATION

EU - R-phrases

R46 - May cause heritable genetic damage

MAMMALIAN

EU - GHS (H-Statements)

H304 - May be fatal if swallowed and enters airways

GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

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

COCONUT OIL

ID: 8001-31-8

%: 1.0000 - 3.0000 GS: NoGS RC: None NANO: NO ROLE: Workability Adjuster

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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-HYDROXYPHENYL]-1-OXOPROPOXY)-

ID: 104810-47-1

%: 0.6000 - 3.5000 GS: UNK RC: None NANO: NO ROLE: UV Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE EU - GHS (H-Statements) H317 - May cause an allergic skin reaction

CHRON AQUATIC EU - GHS (H-Statements) H411 - Toxic to aquatic life with long lasting effects

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.

D-LIMONENE

ID: 5989-27-5

%: 0.5000 - 2.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Fragrance

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Substance of Possible Concern
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

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

1,6-HEXAMETHYLENE DIISOCYANATE

ID: 822-06-0

%: 0.5000 - 0.8000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Activator

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN	EU - R-phrases	R23 - Toxic by Inhalation (gas, vapour, dust/mist)
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
RESPIRATORY	EU - R-phrases	R42 - May cause sensitization by inhalation
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
RESPIRATORY	AOEC - Asthmagens	Asthmagen (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

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

0.3000 - 2.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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.-HYDROXY-

ID: 104810-48-2

0.2000 - 0.6000

GS: UNK

RC: None

NANO: NO

ROLE: UV Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

CHRON AQUATIC

EU - GHS (H-Statements)

H411 - Toxic to aquatic life with long lasting effects

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.

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

ID: 41556-26-7

0.1000 - 0.3000

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.

UNDISCLOSED

0.1000 - 0.2500

GS: NoGS

RC: None

NANO: NO

ROLE: Defoamer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

%: 0.0500 - 0.1500 GS: LT-UNK RC: None NANO: NO ROLE: Wetting Agent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

%: 0.0500 - 0.1500 GS: LT-1 RC: None NANO: NO ROLE: Solvent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	EU - R-phrases	R45 - May cause cancer
GENE MUTATION	EU - R-phrases	R46 - May cause heritable genetic damage
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B

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

%: 0.0300 - 0.1000 GS: LT-P1 RC: None NANO: NO ROLE: UV Stabilizer

HAZARDS:

AGENCY(IES) WITH 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.

UNDISCLOSED

%: 0.0100 - 0.0200 GS: LT-UNK RC: None NANO: NO ROLE: Defoamer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

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.

OCTAMETHYLCYCLOTETRASILOXANE (D4)

ID: 556-67-2

%: 0.0100 - 0.0200 GS: BM-1 RC: None NANO: NO ROLE: Wetting Agent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

REPRODUCTIVE EU - R-phrases R62 - Possible risk of impaired fertility

ENDOCRINE EU - Priority Endocrine Disrupters Category 1 - In vivo evidence of Endocrine Disruption Activity

PBT EU - ESIS PBT Under PBT evaluation

PBT OR DEQ - Priority Persistent Pollutants Priority Persistent Pollutant - Tier 1

PBT EC - CEPA DSL Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

PBT EC - CEPA DSL Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

RESTRICTED LIST US EPA - PPT Chemical Action Plans TSCA Work Plan chemical - Action Plan in development

REPRODUCTIVE EU - GHS (H-Statements) H361f - Suspected of damaging fertility

MULTIPLE ChemSec - SIN List CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

ENDOCRINE ChemSec - SIN List Endocrine Disruption

ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - ongoing chemical (risk) assessment

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

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://www.laticrete.com/~media/support-and-downloads/technical-datasheets/tds251.ashx?la=en>

CERTIFICATION AND COMPLIANCE NOTES: Meets LEED v4 Credit "Low Emitting Materials" Emissions and Content Requirements.

TDS 251 "Low VOC LATICRETE® Products"

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-07-07	0000-00-00	LATICRETE

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.

Section 5: General Notes

SPARTACOTE® FLEX SB™ does not meet Living Building Challenge requirements because it does contain a component which is found on the Red Listed Materials or Chemicals. Specifically, SPARTACOTE FLEX SB contains Octamethylcyclotetrasiloxane (D4) as stated in Section 2 of this HPD.



MANUFACTURER INFORMATION

MANUFACTURER: LATICRETE International

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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

GLO Global warming

PHY Physical Hazard (reactive)

CAN Cancer

MAM Mammalian/systemic/organ toxicity

REP Reproductive toxicity

DEV Developmental toxicity

MUL Multiple hazards

RES Respiratory sensitization

END Endocrine activity

NEU Neurotoxicity

SKI Skin sensitization/irritation/corrosivity

EYE Eye irritation/corrosivity

OZO Ozone depletion

LAN Land Toxicity

GEN Gene mutation

PBT Persistent Bioaccumulative Toxic

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

LT-P1 List Translator Possible Benchmark 1

BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient
information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK 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

None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

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

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.