

**CLASSIFICATION:** 09 67 00 Fluid-Applied Flooring

**PRODUCT DESCRIPTION:** A complete flooring system HPD for Stonshield SLT.

**Section 1: Summary**

**Basic Method / Product Threshold**

**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
- Per OSHA MSDS
- Other

**Residuals/Impurities**

- Considered
- Partially Considered
- Not Considered

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

*Are All Substances Above the Threshold Indicated:*

**Characterized**  Yes  No  
*Percent Weight and Role Provided?*

**Screened**  Yes  No  
*Using Priority Hazard Lists with Results Disclosed?*

**Identified**  Yes  No  
*Name and Identifier Provided?*

**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**

**STONSHIELD SLT [ QUARTZ LT-1 | CAN EPICHLOROHYDRIN-BISPHENOL A RESIN LT-P1 | AQU | SKI | EYE | MUL BENZYL ALCOHOL BM-2 CYCLOHEXANEMETHANAMINE, 5-AMINO-1,3,3-TRIMETHYL-, REACTION PRODUCTS WITH BISPHENOL A DIGLYCIDYL ETHER HOMOPOLYMER LT-P1 | MUL OXIRANE, MONO[(C12-13-ALKYLOXY)METHYL] DERIVS. LT-UNK ISOPHORONE DIAMINE LT-P1 | SKI | MUL FATTY ACIDS, TALL-OIL, REACTION PRODUCTS WITH TRIETHYLENETETRAMINE LT-UNK 4-NONYLPHENOL (BRANCHED) LT-1 | PBT | END | MUL | AQU | SKI | REP | DEL AMINOETHYLPIPERAZINE LT-P1 | SKI | MUL TITANIUM DIOXIDE LT-1 | CAN | END HEXAMETHYLENE DIISOCYANATE HOMOPOLYMER (HDI HOMOPOLYMER) LT-P1 SILICA GEL LT-UNK TRIETHYLENETETRAMINE LT-P1 | RES | SKI | MUL C9-11-BRANCHED ALKYL BENZOATE NoGS 1,3-BENZENEDIOL, 4-(4,6-BIS(2,4-DIMETHYLPHENYL)-1,3,5-TRIAZIN-2-YL)-, REACTION PRODUCTS WITH 2-((DODECYLOXY)METHYL)OXIRANE AND 2-((C10-16- ALKYLOXY)METHYL)OXIRANE LT-P1 | MUL ]**

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1  
Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**  
N/A

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

Material (g/l): 8.57 Regulatory (g/l): 8.57  
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: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario  
VOC content: Product SDS

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared  
VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2018-12-07  
PUBLISHED DATE: 2018-12-10  
EXPIRY DATE: 2021-12-07



## 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)

### STONSHIELD SLT

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Partially

RESIDUALS AND IMPURITIES NOTES: Residuals are considered and included only when above the reported threshold.

OTHER PRODUCT NOTES: N/A

#### QUARTZ

ID: 14808-60-7

%: 70.2000 - 70.2000      GS: LT-1      RC: UNK      NANO: No      ROLE: Aggregate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: N/A

#### EPICHLOROHYDRIN-BISPHENOL A RESIN

ID: 25068-38-6

%: 16.0400 - 16.0400      GS: LT-P1      RC: UNK      NANO: No      ROLE: Reactive Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CHRON AQUATIC	EU - GHS (H-Statements)	H411 - 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
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: N/A

### BENZYL ALCOHOL

ID: 100-51-6

#: 3.7800 - 3.7800 GS: BM-2 RC: UNK NANO: No ROLE: Plasticizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: N/A

### CYCLOHEXANEMETHANAMINE, 5-AMINO-1,3,3-TRIMETHYL-, REACTION PRODUCTS WITH BISPHENOL A DIGLYCIDYL ETHER HOMOPOLYMER

ID: 68609-08-5

#: 2.9400 - 2.9400 GS: LT-P1 RC: UNK NANO: No ROLE: Reactive Amine

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: N/A

### OXIRANE, MONO[(C12-13-ALKYLOXY)METHYL] DERIVS.

ID: 120547-52-6

#: 1.7900 - 1.7900 GS: LT-UNK RC: UNK NANO: No ROLE: Reactive Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: N/A

### ISOPHORONE DIAMINE

ID: 2855-13-2

#: 1.6800 - 1.6800 GS: LT-P1 RC: UNK NANO: No ROLE: Reactive Amine

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SUBSTANCE NOTES: N/A		

**FATTY ACIDS, TALL-OIL, REACTION PRODUCTS WITH TRIETHYLENETETRAMINE**

ID: 68919-79-9

#: **0.8500 - 0.8500**      GS: **LT-UNK**      RC: **UNK**      NANO: **No**      ROLE: **Reactive Amine**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: N/A

**4-NONYLPHENOL (BRANCHED)**

ID: 84852-15-3

#: **0.6200 - 0.6200**      GS: **LT-1**      RC: **UNK**      NANO: **No**      ROLE: **Reactive Resin**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Substance of Possible Concern
ENDOCRINE	OSPAR - Priority PBTs & EDs & equivalent concern	Endocrine Disruptor - Chemical for Priority Action
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - Action Plan in development
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)	H314 - Causes severe skin burns and eye damage
REPRODUCTIVE	EU - GHS (H-Statements)	H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
PBT	ChemSec - SIN List	PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)
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
REPRODUCTIVE	US EPA - PPT Chemical Action Plans	Reproductive effects
CHRON AQUATIC	US EPA - PPT Chemical Action Plans	Highly toxic to aquatic organisms
DEVELOPMENTAL	US EPA - PPT Chemical Action Plans	Developmental Effects

SUBSTANCE NOTES: N/A

### AMINOETHYLPIPERAZINE

ID: 140-31-8

#: 0.3400 - 0.3400 GS: LT-P1 RC: UNK NANO: No ROLE: Reactive Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: N/A

### TITANIUM DIOXIDE

ID: 13463-67-7

#: 0.3200 - 0.3200 GS: LT-1 RC: UNK NANO: No ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: N/A

### HEXAMETHYLENE DIISOCYANATE HOMOPOLYMER (HDI HOMOPOLYMER)

ID: 28182-81-2

#: 0.3200 - 0.3200 GS: LT-P1 RC: UNK NANO: No ROLE: Reactive Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: N/A

#: **0.2200 - 0.2200** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **N/A****TRIETHYLENETETRAMINE**ID: **112-24-3**

#: **0.1200 - 0.1200** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Reactive Amine**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: **N/A****C9-11-BRANCHED ALKYL BENZOATE**ID: **131298-44-7**

#: **0.0700 - 0.0700** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **N/A****1,3-BENZENEDIOL, 4-(4,6-BIS(2,4-DIMETHYLPHENYL)-1,3,5-TRIAZIN-2-YL)-, REACTION PRODUCTS WITH 2-((DODECYLOXY)METHYL)OXIRANE AND 2-((C10-16-ALKYLOXY)METHYL)OXIRANE**ID: **153519-44-9**

#: **0.0700 - 0.0700** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: **N/A**



## 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

### CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2017-08-17**

EXPIRY DATE:

CERTIFIER OR LAB: **Berkeley Analytical**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

### VOC CONTENT

### Product SDS

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2017-08-17**

EXPIRY DATE:

CERTIFIER OR LAB: **Stonhard**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

## 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

The Stonshield SLT system is comprised of the following Stonhard products: Standard Primer, Stonshield Undercoat, Stonkote CE4 and Stonshield Broadcast Aggregate. Individual SDS are available for all components.





## MANUFACTURER INFORMATION

MANUFACTURER: **Stonhard**  
 ADDRESS: **1000 East Park Ave**  
**Maple Shade NJ 08052, USA**  
 WEBSITE: **https://www.stonhard.com**

CONTACT NAME: **Mike Jewell**  
 TITLE: **VP of Product Development**  
 PHONE: **856-779-7500**  
 EMAIL: **mjewell@stonhard.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

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

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

### 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 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

*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.*