

HPD UNIQUE IDENTIFIER: 28378

CLASSIFICATION: 09 05 61.13 Moisture Vapor Emission Control

PRODUCT DESCRIPTION: MES 100 is a Floor Seal Technology, Inc. proprietary product that remediates concrete moisture emission up to any limit. It is installed by Factory Technicians to insure a complete warranty. The MES 100 systems I-IV are incorporated with a 1/8 cement underlayment. The cement is not required with carpet finishes. On existing concrete, the system, I-IV is chosen after ASTM F 710 testing, which incorporates ASTM F 2170 and ASTM F 1869 and pH. On new concrete pours, the system is specified along with the division 3 concrete placement requirements following ACI 302 R. This requires the proper vapor retarders and installation procedures. If the ACI 302 R Guide to Concrete Floor and Slab Construction is specified a System I will be used. If ACI 302 R is not followed, the system will be determined by additional ASTM testing. The process meets and incorporates all ASTM F 3010 Standard Practice requirements for Two-Component Resin-Base Membrane forming Moisture Mitigations Systems for use under Resilient Floors. This process requires bead blasting the slab to a CPS 4 profile for preparation. The membrane is placed at 10 mils. It must meet the required pH resistance and have a tensile adhesion to the slab of a minimum of 200 pounds. The membrane is followed with the 1/8 cement layer to absorb the moisture from water-based LEED required adhesives.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
☒ Nested Materials Method	☒ 100 ppm	Considered in 11 of 11 Materials	Characterized ☐ Yes ☒ Ex/SC ☒ Yes ☐ No
☐ Basic Method	☐ 1,000 ppm		<i>% weight and role provided for all substances.</i>
Threshold Disclosed Per	☐ Per GHS SDS	Explanation(s) provided for Residuals/Impurities?	Screened ☐ Yes ☒ Ex/SC ☒ Yes ☐ No
☐ Material	☐ Other	☒ Yes ☐ No	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
☒ Product			Identified ☐ Yes ☒ Ex/SC ☐ Yes ☒ No
			<i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i>

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](#)

[WATER](#) | [WATER \(PRIMARY CASRN IS 7732-18-5\)](#) [BM-4](#)] [UNDISCLOSED](#) [[UNDISCLOSED](#) [LT-UNK](#) [ETHYLENE GLYCOL MONOPROPYL ETHER](#) [LT-UNK](#) | [EYE](#)] [PIGMENT](#) [[TITANIUM DIOXIDE](#) [LT-1](#) | [CAN](#) | [END](#)] [UNDISCLOSED](#) [[ARALDITE B](#) [LT-P1](#) | [END](#)] [UNDISCLOSED](#) [[ETHYLENE GLYCOL MONOPROPYL ETHER](#) [LT-UNK](#) | [EYE](#)] [UNDISCLOSED](#) [[DISTILLATES \(PETROLEUM\), SOLVENT-REFINED \(MILD\) HEAVY PARAFFINIC \(9CI\), CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP 346](#) [LT-P1](#) | [CAN](#)] [UNDISCLOSED](#) [[ETHYLENE GLYCOL MONOPROPYL ETHER](#) [LT-UNK](#) | [EYE](#)] [UNDISCLOSED](#) [[ACETIC ACID](#) [BM-2](#) | [RES](#) | [SKI](#)] [UNDISCLOSED](#) [[1-PROPOXY-2-PROPANOL](#) [LT-UNK](#)] [UNDISCLOSED](#) [[UNDISCLOSED](#) [NoGS](#)] [UNDISCLOSED](#) [[PROPYLENE GLYCOL](#) [BM-2](#) | [END](#)]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This HPD was disclosed to 99.5% of mass by weight. A total of 0.05% was not disclosed by the manufacturer because the raw material used was considered proprietary by the material manufacturer. The material SDS showed no hazardous chemicals or REACH registered chemicals and all other efforts to determine the composition of the chemical were unsuccessful. The role of the unknown chemical is 0.05% by weight, wetting and dispersing agent. All other chemicals in this HPDs have been disclosed to 0.01% by weight. This HPD was produced using primary information from the manufacturer, including CAS numbers and SDS when needed. Each substance shall include the data quality score for completeness in the notes. The level of data completeness is compared against the HPD Open Standards and shall use the following system for determining how well it adheres to the procedures outlined in the standard. The following are used: 0= poor: undocumented estimate, 1= fair: documented estimate, 2= good: provided data with some uncertainty, 3=very good: provided data with no uncertainty, 4= excellent: provided data that has been verified by the preparer through visual inspection. This level of data analysis is in alignment with the data quality pedigree mix per the US EPA document EPA/600/R-16/096/June 2016 file:///C:/Users/denic/Downloads/LCI%20DATA%20%20%20%20QUALITY%20GUIDANCE%2020JUN20 Percentages of >10% may be used to disguise formulas covered as intellectual property. *Every effort has been made to report the substances in this product by the manufacturer to the listed threshold. This is a voluntary, self-reported effort. Any errors or omissions shall be considered human error and therefore reported to the manufacturer. The manufacturer shall not be liable for omissions.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 96 Regulatory (g/l): 100

Does the product contain exempt VOCs: No

Are ultra-low VOC tints available: No

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: VOC Emissions

VOC content: VOC Content-self calculated

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2022-04-27
☐ Yes	VERIFIER:	PUBLISHED DATE: 2022-04-27
☒ No	VERIFICATION #:	EXPIRY DATE: 2025-04-27

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

WATER

%: 30.0000 - 40.0000

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: No impurities noted. Residuals and impurities are considered in accordance with the HPD Best Practice Guidance, 10.02.17, version 1 “The threshold applied to Residuals and Impurities (R/I) is the same as the threshold applied to intentionally added substances, in terms of level, i.e., 100 ppm or 1000 ppm. Residuals and impurities present below the declared Inventory Threshold do not need to be reported on the HPD.” This includes average data as declared in the common product database or in peer-reviewed scientific articles. For this product, no actual material has been tested therefore residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. The main databases used for researching potential residuals and impurities are Pharos and PubChem (formerly toxnet). Any R/I above the threshold shall be listed on the HPD, otherwise, if none are listed then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES:

WATER (PRIMARY CASRN IS 7732-18-5)

ID: 558440-22-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-04-27 14:38:32

%: 100.0000

GS: BM-4

RC: UNK

NANO: No

SUBSTANCE ROLE: Diluent

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Data quality score= 4

UNDISCLOSED

%: 20.0000 - 30.0000

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: None noted. Residuals and impurities are considered in accordance with the HPD Best Practice Guidance, 10.02.17, version 1 “The threshold applied to Residuals and Impurities (R/I) is the same as the threshold applied to intentionally added substances, in terms of level, i.e., 100 ppm or 1000 ppm. Residuals and impurities present below the declared Inventory Threshold do not need to be reported on the HPD.” This includes average data as declared in the common product database or in peer-reviewed scientific articles. For this product, no actual material has been tested therefore residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. The main databases used for researching potential residuals and impurities are Pharos and PubChem (formerly toxnet). Any R/I above the threshold shall be listed on the HPD, otherwise, if none are listed then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: This uses information from bot the manufacturer's database and the Quartz database of common building materials. The exact formulation is declared proprietary by the manufacturer.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-04-27 14:38:35

%: 80.0000

GS: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Plasticizer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Data quality score= 0

This was not disclosed by the manufacturer and is listed based on information from the database of common building materials.

ETHYLENE GLYCOL MONOPROPYL ETHER

ID: 2807-30-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-04-27 14:38:36

%: 15.0000 - 20.0000

GS: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Plasticizer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

EYE

EU - GHS (H-Statements) Annex 6 Table 3-1

H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]

SUBSTANCE NOTES: Data quality score=2

PIGMENT

%: 19.0000 - 27.0000

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: No impurities noted. Residuals and impurities are considered in accordance with the HPD Best Practice Guidance, 10.02.17, version 1 “The threshold applied to Residuals and Impurities (R/I) is the same as the threshold applied to intentionally added substances, in terms of level, i.e., 100 ppm or 1000 ppm. Residuals and impurities present below the declared Inventory Threshold do not need to be reported on the HPD.” This includes average data as declared in the common product database or in peer-reviewed scientific articles. For this product, no actual material has been tested therefore residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. The main databases used for researching potential residuals and impurities are Pharos and PubChem (formerly toxnet). Any R/I above the threshold shall be listed on the HPD, otherwise, if none are listed then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES:

TITANIUM DIOXIDE				ID: 13463-67-7
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-04-27 14:38:35		
%: 99.9000	GS: LT-1	RC: UNK	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	US CDC - Occupational Carcinogens		Occupational Carcinogen	
CAN	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route	
CAN	IARC		Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources	
CAN	MAK		Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value	
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
CAN	MAK		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels	
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1		H351 - Suspected of causing cancer [Carcinogenicity - Category 2]	
SUBSTANCE NOTES: Per Quartz and Pharos databases, all impurities are at an unknown level for this substance. Data Quality Score= 3				

UNDISCLOSED %: 10.0000 - 16.0000

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTES: Two impurities noted in the Quartz database for this substance are Bisphenol A and Epichlorohydrin at unknown quantities.		
OTHER MATERIAL NOTES: The Quartz database of common building materials was used: Poured in place flooring		

ARALDITE B				ID: 25085-99-8
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-04-27 14:38:30		
%: 100.0000	GS: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Activator
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
END	EU - Priority Endocrine Disruptors		Category 2 - In vitro evidence of biological activity related to Endocrine Disruption	
SUBSTANCE NOTES: Data quality score= 3				

UNDISCLOSED %: 0.5000 - 5.0000

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are considered in accordance with the HPD Best Practice Guidance, 10.02.17, version 1 “The threshold applied to Residuals and Impurities (R/I) is the same as the threshold applied to intentionally added substances, in terms of level, i.e., 100 ppm or 1000 ppm. Residuals and impurities present below the declared Inventory Threshold do not need to be reported on the HPD.” This includes average data as declared in the common product database or in peer-reviewed scientific articles. For this product, no actual material has been tested therefore residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. The main databases used for researching potential residuals and impurities are Pharos and PubChem (formerly toxnet). Any R/I above the threshold shall be listed on the HPD, otherwise, if none are listed then no residuals or impurities are common in that substance above the threshold.		
OTHER MATERIAL NOTES: The Quartz database of common building materials was used: Poured in place flooring		

ETHYLENE GLYCOL MONOPROPYL ETHER				ID: 2807-30-9
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-04-27 14:38:31		
%: 100.0000	GS: LT-UNK	RC: UNK	NANO: No	SUBSTANCE ROLE: Curing agent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1		H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]	
SUBSTANCE NOTES: data quality score = 3				

UNDISCLOSED %: 0.5000 - 5.0000

RESIDUALS AND IMPURITIES NOTES: No impurities noted. Residuals and impurities are considered in accordance with the HPD Best Practice Guidance, 10.02.17, version 1 “The threshold applied to Residuals and Impurities (R/I) is the same as the threshold applied to intentionally added substances, in terms of level, i.e., 100 ppm or 1000 ppm. Residuals and impurities present below the declared Inventory Threshold do not need to be reported on the HPD.” This includes average data as declared in the common product database or in peer-reviewed scientific articles. For this product, no actual material has been tested therefore residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. The main databases used for researching potential residuals and impurities are Pharos and PubChem (formerly toxnet). Any R/I above the threshold shall be listed on the HPD, otherwise, if none are listed then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: The Quartz database of common building materials was used: Poured in place flooring

DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) HEAVY PARAFFINIC (9CI), CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP 346

ID: 64741-88-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-04-27 14:38:31		
%: 100.0000	GS: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Diluent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	GHS - Australia		H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]	
SUBSTANCE NOTES: Data quality score =3				

UNDISCLOSED

%: 0.5000 - 6.0000

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: None noted above the threshold. Residuals and impurities are considered in accordance with the HPD Best Practice Guidance, 10.02.17, version 1 “The threshold applied to Residuals and Impurities (R/I) is the same as the threshold applied to intentionally added substances, in terms of level, i.e., 100 ppm or 1000 ppm. Residuals and impurities present below the declared Inventory Threshold do not need to be reported on the HPD.” This includes average data as declared in the common product database or in peer-reviewed scientific articles. For this product, no actual material has been tested therefore residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. The main databases used for researching potential residuals and impurities are Pharos and PubChem (formerly toxnet). Any R/I above the threshold shall be listed on the HPD, otherwise, if none are listed then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: The Quartz database and Pharos were used to determine substance roles and impurities.

ETHYLENE GLYCOL MONOPROPYL ETHER

ID: 2807-30-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-04-27 14:38:33		
%: 100.0000	GS: LT-UNK	RC: UNK	NANO: No	SUBSTANCE ROLE: Solvent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1		H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]	
SUBSTANCE NOTES: Data quality score=3				

UNDISCLOSED

%: 0.1000 - 4.7000

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: None noted above the threshold. Residuals and impurities are considered in accordance with the HPD Best Practice Guidance, 10.02.17, version 1 “The threshold applied to Residuals and Impurities (R/I) is the same as the threshold applied to intentionally added substances, in terms of level, i.e., 100 ppm or 1000 ppm. Residuals and impurities present below the declared Inventory Threshold do not need to be reported on the HPD.” This includes average data as declared in the common product database or in peer-reviewed scientific articles. For this product, no actual material has been tested therefore residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. The main databases used for researching potential residuals and impurities are Pharos and PubChem (formerly toxnet). Any R/I above the threshold shall be listed on the HPD, otherwise, if none are listed then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: The Quartz database of common building materials was used to determine residuals and impurities.

ACETIC ACID

ID: 64-19-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-04-27 14:38:33		
%: 100.0000	GS: BM-2	RC: UNK	NANO: No	SUBSTANCE ROLE: Buffer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
RES	AOEC - Asthmagens		Asthmagen (Rr&Rs) - irritant-induced & sensitizer-induced	
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1		H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]	
SUBSTANCE NOTES: Data quality score=3				

UNDISCLOSED

%: 0.1000 - 1.0000

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Two potential residuals are registered for this chemical: (1) 1,4-Dioxane at 0.5%, and (2) Dimethicone at an unknown level. Residuals and impurities are considered in accordance with the HPD Best Practice Guidance, 10.02.17, version 1 “The threshold applied to Residuals and Impurities (R/I) is the same as the threshold applied to intentionally added substances, in terms of level, i.e., 100 ppm or 1000 ppm. Residuals and impurities present below the declared Inventory Threshold do not need to be reported on the HPD.” This includes average data as declared in the common product database or in peer-reviewed scientific articles. For this product, no actual material has been tested therefore residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. The main databases used for researching potential residuals and impurities are Pharos and PubChem (formerly toxnet). Any R/I above the threshold shall be listed on the HPD, otherwise, if none are listed then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: Quartz database of common building materials was used to screen this substance: Closed Cell Spray Foam Insulation

1-PROPOXY-2-PROPANOL					ID: 1569-01-3
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-04-27 14:38:34			
%: 100.0000	GS: LT-UNK	RC: UNK	NANO: No	SUBSTANCE ROLE: Solvent	
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Data quality score =3					

UNDISCLOSED %: 0.1000 - 0.9900

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTES: None noted. Residuals and impurities are considered in accordance with the HPD Best Practice Guidance, 10.02.17, version 1 “The threshold applied to Residuals and Impurities (R/I) is the same as the threshold applied to intentionally added substances, in terms of level, i.e., 100 ppm or 1000 ppm. Residuals and impurities present below the declared Inventory Threshold do not need to be reported on the HPD.” This includes average data as declared in the common product database or in peer-reviewed scientific articles. For this product, no actual material has been tested therefore residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. The main databases used for researching potential residuals and impurities are Pharos and PubChem (formerly toxnet). Any R/I above the threshold shall be listed on the HPD, otherwise, if none are listed then no residuals or impurities are common in that substance above the threshold.		
OTHER MATERIAL NOTES: The actual material used by the manufacturer was withheld for proprietary reasons. Only the datasheet as provided.		

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-04-27 14:38:34		
%: 100.0000	GS: NoGS	RC: UNK	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: This material was withheld for intellectual property rights.				
Data quality score= 1				

UNDISCLOSED %: 0.0400 - 3.2000

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTES: Two impurities are noted at an unknown threshold: hydroxyacetone & 1,2-Propylene oxide. Residuals and impurities are considered in accordance with the HPD Best Practice Guidance, 10.02.17, version 1 “The threshold applied to Residuals and Impurities (R/I) is the same as the threshold applied to intentionally added substances, in terms of level, i.e., 100 ppm or 1000 ppm. Residuals and impurities present below the declared Inventory Threshold do not need to be reported on the HPD.” This includes average data as declared in the common product database or in peer-reviewed scientific articles. For this product, no actual material has been tested therefore residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. The main databases used for researching potential residuals and impurities are Pharos and PubChem (formerly toxnet). Any R/I above the threshold shall be listed on the HPD, otherwise, if none are listed then no residuals or impurities are common in that substance above the threshold.		
OTHER MATERIAL NOTES:		

PROPYLENE GLYCOL					ID: 57-55-6
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-04-27 14:38:32			
%: 100.0000	GS: BM-2	RC: UNK	NANO: No	SUBSTANCE ROLE: Curing agent	
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
SUBSTANCE NOTES: Data quality score= 3					

 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	VOC Emissions		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: This is not facilities-based. CERTIFICATE URL:	ISSUE DATE: 2022-04-27	EXPIRY DATE:	CERTIFIER OR LAB: Floor Seal
CERTIFICATION AND COMPLIANCE NOTES: This product does not have a current VOC emissions report.			
VOC CONTENT	VOC Content-self calculated		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: This is not facility-based. CERTIFICATE URL:	ISSUE DATE: 2022-04-27	EXPIRY DATE:	CERTIFIER OR LAB: Floor Seal
CERTIFICATION AND COMPLIANCE NOTES: 96 g/L			

 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

This product list no accessories because there are multiple types of installation materials that can be used. For the manufacturer's instructions, please visit their website.

Residuals and impurities are considered by the HPD Best Practice Guidance, 10.02.17, version 1

"The threshold applied to Residuals and Impurities (R/I) is the same as the threshold applied to intentionally added substances, in terms of level, i.e., 100 ppm or 1000 ppm. Residuals and impurities present below the declared Inventory Threshold do not need to be reported on the HPD."

This includes average data as declared in the common product database or peer-reviewed scientific articles. For this product, no actual material has been tested; therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material.

Pharos and PubChem (formerly toxnet) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

MANUFACTURER INFORMATION

MANUFACTURER: Floor Seal Technology, Inc.
ADDRESS: 1005 Ames Avenue Milpitas
Mipitas CA 95035, USA
WEBSITE: https://floorseal.com/

CONTACT NAME: Bill Cline
TITLE: CEO
PHONE: (800) 572-2344
EMAIL: billc@floorseal.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

Hazard Types		
AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)	
BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	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.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
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)	

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 noted.