

HPD UNIQUE IDENTIFIER: 24242
CLASSIFICATION: 07 21 63 Fluid-Applied Insulative Coating
PRODUCT DESCRIPTION: Silicone air and water-resistive silicone barrier

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	All Substances Above the Threshold Indicated Are:
☒ Nested Materials Method	☐ 100 ppm	Residuals/Impurities	Characterized ☐ Yes Ex/SC ☒ Yes ☐ No
☐ Basic Method	☒ 1,000 ppm	Considered in 1 of 1 Materials	% weight and role provided for all substances.
Threshold Disclosed Per	☐ Per GHS SDS	Explanation(s) provided for Residuals/Impurities?	Screened ☐ Yes Ex/SC ☒ Yes ☐ No
☐ Material	☐ Other	☒ Yes ☐ No	All substances screened using Priority Hazard Lists with results disclosed.
☒ Product			Identified ☐ Yes Ex/SC ☒ Yes ☐ No
			All substances disclosed by Name (Specific or Generic) and Identifier.

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

ELEMAX* 2600 [SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED (SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED) BM-2 CALCIUM CARBONATE (CALCIUM CARBONATE) BM-3 DECAMETHYLCYCLOPENTASILOXANE (D5) (DECAMETHYLCYCLOPENTASILOXANE (D5)) BM-1 | END | PBT | MUL
SILANAMINE, 1,1,1-TRIMETHYL-N-(TRIMETHYLSILYL)-, REACTION PRODUCTS WITH AMMONIA, OCTAMETHYLCYCLOTETRASILOXANE AND SILICA (SILANAMINE, 1,1,1-TRIMETHYL-N-(TRIMETHYLSILYL)-, REACTION PRODUCTS WITH AMMONIA, OCTAMETHYLCYCLOTETRASILOXANE AND SILICA) LT-P1 | PBT
METHYLTRIMETHOXYSILANE (METHYLTRIMETHOXYSILANE) BM-1tp
TITANIUM, BIS(ETHYL 3-OXOBUTANOATO-O1#',O3)BIS(2-PROPANOLATO)- (TITANIUM, BIS(ETHYL 3-OXOBUTANOATO-O1#',O3)BIS(2-PROPANOLATO)-) BM-2
STEARIC ACID LT-P1 | END
CARBON BLACK BM-1 | CAN
TRIS(3(TRIMETHOXSILYL)PROPYL)ISOCYANURATE NoGS
ULTRAMARINE (PIGMENT) (ULTRAMARINE (PIGMENT)) LT-UNK
LIMESTONE; CALCIUM CARBONATE LT-UNK QUARTZ LT-1 | CAN
OCTAMETHYLCYCLOTETRASILOXANE (D4) BM-1 | END | MUL | PBT | REP
DODECAMETHYLCYCLOHEXASILOXANE (D6) (/DODECAMETHYLCYCLOHEXASILOXANE (D6)) BM-1 | PBT]

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

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

INVENTORY AND SCREENING NOTES:

No inventory and screening notes

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 24 Regulatory (g/l): 24
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: Intertek ETL Environmental VOC
VOC content: Intertek ETL Environmental VOC

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

☐ Yes

☒ No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-03-31

PUBLISHED DATE: 2021-03-31

EXPIRY DATE: 2024-03-31

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

ELEMAX* 2600

?: 100.0000 - 100.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities noted in content inventory.

OTHER MATERIAL NOTES:

SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED
(SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED)

ID: 70131-67-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-03-31 11:20:48

?: 40.0000 - 60.0000 GS: BM-2 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: N/A

CALCIUM CARBONATE (CALCIUM CARBONATE)

ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-03-31 11:20:49

?: 20.0000 - 50.0000 GS: BM-3 RC: UNK NANO: No SUBSTANCE ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: N/A

DECAMETHYLCYCLOPENTASILOXANE (D5)
(DECAMETHYLCYCLOPENTASILOXANE (D5))

ID: 541-02-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-03-31 11:20:49

?: 1.0000 - 10.0000 GS: BM-1 RC: UNK NANO: No SUBSTANCE ROLE: Diluent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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)
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
PBT	ChemSec - SIN List	PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)
PBT	EU - SVHC Authorisation List	PBT - Candidate list
PBT	EU - SVHC Authorisation List	vPvB - Candidate list
SUBSTANCE NOTES: N/A		

SILANAMINE, 1,1,1-TRIMETHYL-N-(TRIMETHYLSILYL)-, REACTION PRODUCTS WITH AMMONIA, OCTAMETHYLCYCLOTETRAILOXANE AND SILICA (SILANAMINE, 1,1,1-TRIMETHYL-N-(TRIMETHYLSILYL)-, REACTION PRODUCTS WITH AMMONIA, OCTAMETHYLCYCLOTETRAILOXANE AND SILICA)

ID: **68937-51-9**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-03-31 11:20:50		
%: 1.0000 - 5.0000	GS: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Impurity
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
PBT	EC - CEPA DSL		Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)	
SUBSTANCE NOTES: N/A				

METHYLTRIMETHOXYSILANE (METHYLTRIMETHOXYSILANE)

ID: **1185-55-3**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-03-31 11:20:50		
%: 1.0000 - 5.0000	GS: BM-1tp	RC: UNK	NANO: No	SUBSTANCE ROLE: Catalyst
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES: N/A				

TITANIUM, BIS(ETHYL 3-OXOBUTANOATO-O1#',O3)BIS(2-PROPANOLATO)- (TITANIUM, BIS(ETHYL 3-OXOBUTANOATO-O1#',O3)BIS(2-PROPANOLATO)-)

ID: **27858-32-8**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-03-31 11:20:51		
%: 1.0000 - 5.0000	GS: BM-2	RC: UNK	NANO: No	SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: N/A		

STEARIC ACID

ID: 57-11-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-03-31 11:20:51		
%: 1.0000 - 5.0000	GS: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
SUBSTANCE NOTES: N/A				

CARBON BLACK

ID: 1333-86-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-03-31 11:20:51		
%: 1.0000 - 5.0000	GS: BM-1	RC: UNK	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	US CDC - Occupational Carcinogens		Occupational Carcinogen	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
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	
SUBSTANCE NOTES: N/A				

TRIS(3(TRIMETHOXYSILYL)PROPYL)ISOCYANURATE

ID: 26115-70-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-03-31 11:20:52		
%: 0.1000 - 1.0000	GS: NoGS	RC: UNK	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: N/A				

ULTRAMARINE (PIGMENT) (ULTRAMARINE (PIGMENT))

ID: 57455-37-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-03-31 11:20:52		
%: 0.1000 - 1.0000	GS: LT-UNK	RC: UNK	NANO: No	SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: N/A		

LIMESTONE; CALCIUM CARBONATE		ID: 1317-65-3
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-03-31 11:20:53
#: 0.1000 - 1.0000	GS: LT-UNK	RC: UNK NANO: No SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: N/A		

QUARTZ		ID: 14808-60-7
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-03-31 11:20:53
#: 0.1000 - 1.0000	GS: LT-1	RC: UNK NANO: No SUBSTANCE ROLE: Impurity
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	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	GHS - Australia	H350i - May cause cancer by inhalation
CAN	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CAN	GHS - Japan	Carcinogenicity - Category 1A [H350]
SUBSTANCE NOTES: N/A		

OCTAMETHYLCYCLOTETRAILOXANE (D4)		ID: 556-67-2
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-03-31 11:20:54
#: Impurity/Residual	GS: BM-1	RC: UNK NANO: No SUBSTANCE ROLE: Impurity/Residual

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - Action Plan in development
END	ChemSec - SIN List	Endocrine Disruption
PBT	EU - ESIS PBT	Under PBT evaluation
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
REP	EU - GHS (H-Statements)	H361f - Suspected of damaging fertility
MUL	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - ongoing chemical (risk) assessment
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
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
END	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity
PBT	EU - SVHC Authorisation List	PBT - Candidate list
PBT	EU - SVHC Authorisation List	vPvB - Candidate list
SUBSTANCE NOTES: N/A		

DODECAMETHYLCYCLOHEXASILOXANE (D6)
(DODECAMETHYLCYCLOHEXASILOXANE (D6))

ID: 540-97-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-03-31 11:20:54		
%: Impurity/Residual		GS: BM-1		RC: UNK NANO: No SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
PBT	EC - CEPA DSL		Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)	
PBT	ChemSec - SIN List		PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)	
PBT	EU - SVHC Authorisation List		PBT - Candidate list	
PBT	EU - SVHC Authorisation List		vPvB - Candidate list	
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	Intertek ETL Environmental VOC		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-09-	EXPIRY DATE:	CERTIFIER OR LAB: Intertek
APPLICABLE FACILITIES: Waterford, NY	30		
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES:			

VOC CONTENT	Intertek ETL Environmental VOC		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-09-	EXPIRY DATE:	CERTIFIER OR LAB: Intertek
APPLICABLE FACILITIES: Waterford, NY	30		
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

GE Elemax 2600 silicone air and water-resistive silicone barrier (AWB) is a solvent free, fluid-applied, 100% silicone coating for AWB applications to coat and seal above-grade wall assemblies. Elemax 2600 AWB provides breathable, long-term air and water protection in a variety of elements: temperature extremes, sunlight / UV radiation, rain, and snow. This seamless, breathable membrane prevents water and air from entering the building, while allowing moisture vapor to escape.

Benefits include:

Long-term UV and weather resistance,
International Code Council Evaluation Report (ICC ESR-3983),
NFPA 285 compliant,
Excellent performance in open joint rain screen systems,
Warranties available up to 20 years,
One-coat, primerless application,
Rain ready in as little as 30 minutes,
Cold weather application down to 0° F/-18° C

MANUFACTURER INFORMATION

MANUFACTURER: Momentive Performance Materials
ADDRESS: 9930 Kinsey Avenue
 Huntersville North carolina 28078, United States
WEBSITE: <http://www.siliconeforbuilding.com/AWB/>

CONTACT NAME: Doug Phelps
TITLE: Architectural Development Manager
PHONE: 1-704-805-6229
EMAIL: doug.phelps@momentive.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)	
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)	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 noted.