

CLASSIFICATION: Coating

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Used for protection of construction materials.

Section 1: Summary

Nested 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

Residuals/Impurities Considered in 1 of 1 Materials

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.

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:

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)) **LT-P1** | PBT | END 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) **LT-P1** | PBT METHYLTRIMETHOXYSILANE (METHYLTRIMETHOXYSILANE) **BM-1** TITANIUM, BIS(ETHYL 3-OXOBUTANOATO-O1#,O3)BIS(2-PROPANOLATO)- (TITANIUM, BIS(ETHYL 3-OXOBUTANOATO-O1#,O3)BIS(2-PROPANOLATO)-) **BM-2** STEARIC ACID (STEARIC ACID) **LT-P1** | END CARBON BLACK (CARBON BLACK) **LT-1** | CAN TRIS(3(TRIMETHOXYSILYL)PROPYL)ISOCYANURATE **NoGS** ULTRAMARINE (PIGMENT) (ULTRAMARINE (PIGMENT)) **LT-UNK** LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE) **LT-UNK** QUARTZ (QUARTZ) **LT-1** | CAN OCTAMETHYLCYCLOTETRAILOXANE (D4) (OCTAMETHYLCYCLOTETRAILOXANE (D4)) **BM-1** | REP | PBT | MUL | END DODECAMETHYLCYCLOHEXASILOXANE (D6) (DODECAMETHYLCYCLOHEXASILOXANE (D6)) **LT-P1** | PBT]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 24 Regulatory (g/l):
 Does the product contain exempt VOCs: No
 Are ultra-low VOC tints available: N/A

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

No certifications have been added to this HPD.

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-01-04

PUBLISHED DATE: 2018-01-04

EXPIRY DATE: 2021-01-04

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

ELEMAX* 2600

%: 100.0000 - 100.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

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

%: 40.0000 - 60.0000

GS: BM-2

RC: UNK

NANO: No

ROLE: Active ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: N/A

CALCIUM CARBONATE (CALCIUM CARBONATE)

ID: 471-34-1

%: 20.0000 - 50.0000

GS: BM-3

RC: UNK

NANO: No

ROLE: Active ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: N/A

DECAMETHYLCYCLOPENTASILOXANE (D5) (DECAMETHYLCYCLOPENTASILOXANE (D5))

ID: 541-02-6

%: 1.0000 - 10.0000

GS: LT-P1

RC: UNK

NANO: No

ROLE: Active ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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)

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: N/A

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

ID: 68937-51-9

#: **1.0000 - 5.0000** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Classification Exclusion**

HAZARDS: AGENCY(IES) WITH 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

#: **1.0000 - 5.0000** GS: **BM-1** RC: **UNK** NANO: **No** ROLE: **Active ingredient**

HAZARDS: AGENCY(IES) WITH WARNINGS:
None Found No warnings found on HPD Priority 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

#: **1.0000 - 5.0000** GS: **BM-2** RC: **UNK** NANO: **No** ROLE: **Active ingredient**

HAZARDS: AGENCY(IES) WITH WARNINGS:
None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: N/A

STEARIC ACID (STEARIC ACID)

ID: 57-11-4

#: **1.0000 - 5.0000** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Classification Exclusion**

HAZARDS: AGENCY(IES) WITH WARNINGS:
ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

SUBSTANCE NOTES: N/A

CARBON BLACK (CARBON BLACK)

ID: 1333-86-4

#: 1.0000 - 5.0000	GS: LT-1	RC: UNK	NANO: No	ROLE: Classification Exclusion
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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
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: N/A

TRIS(3(TRIMETHOXYSILYL)PROPYL)ISOCYANURATE

ID: 26115-70-8

#: 0.1000 - 1.0000	GS: NoGS	RC: UNK	NANO: No	ROLE: Active ingredient
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HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: N/A

ULTRAMARINE (PIGMENT) (ULTRAMARINE (PIGMENT))

ID: 57455-37-5

#: 0.1000 - 1.0000	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Active ingredient
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HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: N/A

LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)

ID: 1317-65-3

#: 0.1000 - 1.0000	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Classification Exclusion
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HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: N/A

QUARTZ (QUARTZ)

ID: 14808-60-7

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 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	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: N/A

OCTAMETHYLCYCLOTETRAILOXANE (D4)
(OCTAMETHYLCYCLOTETRAILOXANE (D4))

ID: 556-67-2

#: **Impurity/Residual** GS: **BM-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
REPRODUCTIVE	EU - R-phrases	R62 - Possible risk of impaired fertility
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
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity

SUBSTANCE NOTES: N/A

#: **Impurity/Residual** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

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.

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

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Momentive Performance Materials**

CONTACT NAME: **Doug Phelps**

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)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U 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.