

HPD UNIQUE IDENTIFIER: 27019

CLASSIFICATION: 09 91 00 Painting

PRODUCT DESCRIPTION: EPOXYGUARD ENAMEL is a one component water-based pre-catalyzed epoxy acrylic. It is formulated to create a very tough and durable finish for all properly prepared and primed vertical concrete, masonry, drywall, plaster, metal and wood surfaces. EPOXYGUARD ENAMEL is highly resistant to scuffing, peeling, and fading

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format ☐ Nested Materials Method ☒ Basic Method	Threshold Level ☒ 100 ppm ☐ 1,000 ppm ☐ Per GHS SDS ☐ Other	Residuals/Impurities ☒ Considered ☐ Partially Considered ☐ Not Considered Explanation(s) provided for Residuals/Impurities? ☒ Yes ☐ No	<i>All Substances Above the Threshold Indicated Are:</i> Characterized ☐ Yes Ex/SC ☒ Yes ☐ No <i>% weight and role provided for all substances.</i> Screened ☐ Yes Ex/SC ☒ Yes ☐ No <i>All substances screened using Priority Hazard Lists with results disclosed.</i> 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>
Threshold Disclosed Per ☐ Material ☒ Product			

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

EPOXYGUARD ENAMEL | EPOXY ACRYLATE NoGS WATER BM-4
TALC BM-1 | CAN ETHYLENE OXIDE POLYMER LT-UNK NEPHELINE
SYENITE LT-UNK POLYCARBOXYLIC ACID, SODIUM SALT NoGS
POLYPROPYLENE GLYCOL LT-UNK UNDISCLOSED LT-UNK
POLYSILOXANE NoGS 3-iodo-2-propynylbutylcarbamate BM-2
| AQU | END | SKI | MUL | MAM | EYE AMMONIUM HYDROXIDE LT-P1 |
AQU | SKI | RES | MUL 1,2-benzisothiazoline-3-one LT-P1 | AQU |
SKI | MUL | EYE POLYOXYL STEARYL ETHER LT-P1 | MUL
OCTAMETHYLCYCLOTETRAILOXANE BM-1 | END | MUL | PBT | REP
TITANIUM DIOXIDE LT-1 | CAN | END |

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:
Full Inventory Listed

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 8	Regulatory (g/l): 5
Does the product contain exempt VOCs: No	
Are ultra-low VOC tints available: Yes	

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.
VOC emissions: astm d5116
VOC content: astm 2369
VOC content: ASTM D6886-14e1

CONSISTENCY WITH OTHER PROGRAMS
No pre-checks completed or disclosed.

Third Party Verified? ☐ Yes ☒ No	PREPARER: Self-Prepared VERIFIER: VERIFICATION #:	SCREENING DATE: 2021-06-28 PUBLISHED DATE: 2022-01-06 EXPIRY DATE: 2024-06-28
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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

EPOXYGUARD ENAMEL

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Data provide is complete and precise. No residuals or impurities.

OTHER PRODUCT NOTES: Available in Semi-Gloss and Eggshell finish.

EPOXY ACRYLATE

ID: 38891-59-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-06-30 11:54:13

?: 40.0000 - 50.0000

GS: NoGS

RC: PreC

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: Crosslinking epoxy acrylic

WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-06-30 12:13:15

?: 25.0000 - 35.0000

GS: BM-4

RC: PreC

NANO: No

SUBSTANCE ROLE: Diluent

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

TALC

ID: 14807-96-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-06-28 11:19:08

?: 0.9000 - 3.9000

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Viscosity modifier

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CAN

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

CAN

IARC

Group 2b - Possibly carcinogenic to humans

SUBSTANCE NOTES: Improves the resistance and prevents cracking and peel of □ Water-repellent effect □ Increases the viscosity and facilitate dispersion □ Improves the weather and UV resistance

ETHYLENE OXIDE POLYMER

ID: 9002-90-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-04 14:28:14		
%: 0.5000 - 2.5000	GS: LT-UNK	RC: UNK	NANO: No	SUBSTANCE ROLE: Viscosity modifier
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Cas Number of rheology modifier unknown modified ethylene oxide urethane (HEUR) rheology modifier polyurethane resin makes up less than 20% of substance				

NEPHELINE SYENITE

ID: 37244-96-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-04 14:30:41		
%: 0.5000 - 5.0000	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: a naturally occurring, silica deficient, sodium-potassium alumina silicate				

POLYCARBOXYLIC ACID, SODIUM SALT

ID: 62601-60-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-06-30 11:50:55		
%: 0.3600 - 0.4100	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Dispersant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Polycarboxylate, ammonia salt				

POLYPROPYLENE GLYCOL

ID: 25322-69-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-04 14:33:20		
%: 0.2000 - 0.4000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Defoamer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: grind defoamer				

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-06-28 11:19:06		
%: 0.1400 - 0.1500	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Surfactant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: fifty percent of wetting agent				

POLYSILOXANE				ID: 9011-19-2	
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-06-30 11:52:34		
%: 0.1000 - 0.4000		GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Defoamer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: polysiloxanes and hydrophobic solids in polyglyco					

3-iodo-2-propynylbutylcarbamate			ID: 55406-53-6		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-06-28 11:19:07		
%: 0.0600 - 0.0900		GS: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Antimicrobial Pesticide
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
AQU	EU - GHS (H-Statements)		H400 - Very toxic to aquatic life		
AQU	EU - GHS (H-Statements)		H410 - Very toxic to aquatic life with long lasting effects		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
SKI	MAK		Sensitizing Substance Sh - Danger of skin sensitization		
MUL	German FEA - Substances Hazardous to Waters		Class 3 - Severe Hazard to Waters		
MAM	EU - GHS (H-Statements)		H331 - Toxic if inhaled		
MAM	EU - GHS (H-Statements)		H372 - Causes damage to organs through prolonged or repeated exposure		
SKI	EU - GHS (H-Statements)		H317 - May cause an allergic skin reaction		
EYE	EU - GHS (H-Statements)		H318 - Causes serious eye damage		
SUBSTANCE NOTES: IPBC 20% Fungicide					

AMMONIUM HYDROXIDE			ID: 1336-21-6		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-06-28 11:19:06		
%: 0.0500 - 0.1000		GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Buffer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
AQU	EU - GHS (H-Statements)		H400 - Very toxic to aquatic life		
SKI	EU - GHS (H-Statements)		H314 - Causes severe skin burns and eye damage		
RES	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced		
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters		
RES	AOEC - Asthmagens		Asthmagen (Rr&Rs) - irritant-induced & sensitizer-induced		
SUBSTANCE NOTES: small percentage in polymer and post add adjustments to batches					

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-06-28 11:19:08		
%: 0.0200 - 0.0400		GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Antimicrobial Pesticide
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
AQU	EU - GHS (H-Statements)		H400 - Very toxic to aquatic life		
SKI	MAK		Sensitizing Substance Sh - Danger of skin sensitization		
SKI	EU - GHS (H-Statements)		H315 - Causes skin irritation		
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters		
SKI	EU - GHS (H-Statements)		H317 - May cause an allergic skin reaction		
EYE	EU - GHS (H-Statements)		H318 - Causes serious eye damage		
SUBSTANCE NOTES: In can preservative					

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-01-04 14:31:53		
%: 0.0050 - 0.0200		GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Defoamer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters		
SUBSTANCE NOTES: deaerator emulsion siloxane					

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-06-28 11:19:09		
%: 0.0010 - 0.0050		GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Defoamer

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: <1 % of highly effective and compatible deaerator emulsion siloxane. Outstandingly effective against micro- and macro-foam.		

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-06-30 12:12:18			
%: 0.0000 - 20.0000		GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	EU - GHS (H-Statements)		H351 - Suspected of causing cancer		
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		
SUBSTANCE NOTES:					

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		astm d5116	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2022-01-	EXPIRY DATE: 2024-	CERTIFIER OR LAB: Monopole In
APPLICABLE FACILITIES: Monopole Facility	04	01-04	House Lab
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: This test has not been completed			
VOC CONTENT		astm 2369	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2021-06-	EXPIRY DATE: 2022-	CERTIFIER OR LAB: Monopole Lab,
APPLICABLE FACILITIES: Monopole Lab	30	06-30	Rico Cordura
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: White Base Voc: 60 g/L			
VOC CONTENT		ASTM D6886-14e1	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2021-07-	EXPIRY DATE: 2023-	CERTIFIER OR LAB: Monopole Lab
APPLICABLE FACILITIES: Monopole Facility	21	07-21	
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Material g/L: 8 Regulatory g/L: 5			

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.

MONOBOND PRIMER		HPD URL:
		https://secureservercdn.net/72.167.241.180/029.1eb.myftpupload.com/wp-content/uploads/2017/05/Monobond-Primer-HPD.pdf
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:		
Use Monobond Primer with Epoxyguard Enamel when topcoating acrylic/latex paints, wood, concrete or cured stucco.		

Section 5: General Notes

EPOXYGUARD ENAMEL is a one component water-based pre-catalyzed epoxy. It is formulated to create a very tough and durable finish for all properly prepared and primed vertical concrete, masonry, drywall, plaster, metal and wood surfaces. EPOXYGUARD ENAMEL is highly resistant to scuffing, peeling, and fading.

Features: Durable Acrylic Urethane, Fast Drying, Hard Finish, Non-Blocking, Anti-Microbial, Scrutable & Washable, Hand Oil & Chemical Resistant, Resists Dirt Pick Up, Flash Rust Inhibitive, Slip Resistant

Perfect For: Entry Doors, Hand Rails, Cabinets, Furniture, DTM Applications, Clear Coating

MANUFACTURER INFORMATION

MANUFACTURER: **Monopole, Inc.**
ADDRESS: **4661 Alger Street**
Los Angeles CA 90039, United States
WEBSITE: **www.monopoleinc.com**

CONTACT NAME: **Angela Wooddell**
TITLE: **LEED Administrator**
PHONE: **18185008585**
EMAIL: **angela@monopoleinc.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.