

HPD UNIQUE IDENTIFIER: 25933

CLASSIFICATION: 09 90 00 Painting and Coating

PRODUCT DESCRIPTION: Quick drying urethane-modified acrylic with exceptional adhesion and hardness for difficult-to-paint surfaces such as: Glossy Tiles, Porcelain, Formica, Fiberglass, Glazed Tiles, Glass, Plastics, Wood, Kynar, Metal

Section 1: Summary

Basic 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	Characterized ☐ Yes Ex/SC ☒ Yes ☐ No
☒ Basic Method	☐ 1,000 ppm	☐ Partially Considered	% weight and role provided for all substances.
Threshold Disclosed Per	☐ Per GHS SDS	☐ Not Considered	Screened ☐ Yes Ex/SC ☒ Yes ☐ No
☐ Material	☐ Other	Explanation(s) provided for Residuals/Impurities?	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
☒ Product		☒ Yes ☐ No	Identified ☐ Yes Ex/SC ☒ Yes ☐ No
			<i>All substances disclosed by Name (Specific or Generic) and Identifier.</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

MONOBOND PRIMER [WATER BM-4 BARIUM SULFATE BM-2 | CAN
DIPROPYLENE GLYCOL MONOMETHYL ETHER LT-UNK ACRYLIC
POLYMER NoGS URETHANE LT-1 | CAN | MUL | DEV | GEN DINOSEB,
AMMONIUM SALT LT-1 | REP | AQU | MAM | EYE | DEV NEPHELINE
SYENITE LT-UNK 1,2-BENZISOTHIAZOLINE-3-ONE LT-P1 | SKI | MUL |
AQU | EYE AMMONIUM HYDROXIDE LT-P1 | RES | MUL | AQU | SKI
POLYOXYL STEARYL ETHER LT-P1 | MUL TITANIUM DIOXIDE
(PRIMARY CASRN IS 13463-67-7) LT-1 | CAN | 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:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 41Regulatory (g/l): 51

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 D6886

VOC content: ASTM D2369

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2021-08-10
☐ Yes	VERIFIER:	PUBLISHED DATE: 2021-08-25
☒ No	VERIFICATION #:	EXPIRY DATE: 2024-08-10

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

MONOBOND PRIMER

PRODUCT THRESHOLD: 100 ppm		RESIDUALS AND IMPURITIES CONSIDERED: Yes		
RESIDUALS AND IMPURITIES NOTES: Raw materials in this product are found to have trace amounts of residual monomers.				
OTHER PRODUCT NOTES:				
WATER				ID: 7732-18-5
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 15:54:40		
%: 14.0000 - 19.0000	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: Monopole uses a recycled water system to process batches.				

BARIUM SULFATE					ID: 7727-43-7
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-08-10 16:08:27		
%: 3.0000 - 5.0000		GS: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	MAK		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
SUBSTANCE NOTES:					

DIPROPYLENE GLYCOL MONOMETHYL ETHER					ID: 34590-94-8
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-08-16 14:29:34		
%: 2.8000 - 3.4000		GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Solvent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:					

ACRYLIC POLYMER				ID: 9063-87-0
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-16 14:26:21		

%: 0.3200 - 0.4800		GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS	
None found				No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Acrylic Co-Polymer resin					

URETHANE

ID: 51-79-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-08-16 14:38:17		
%: 0.2500 - 0.3500		GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Viscosity modifier
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	EU - REACH Annex XVII CMRs		Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man		
CAN	EU - Annex VI CMRs		Carcinogen Category 1B - Presumed Carcinogen based on animal evidence		
MUL	ChemSec - SIN List		CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
CAN	CA EPA - Prop 65		Carcinogen		
CAN	MAK		Carcinogen Group 2 - Considered to be carcinogenic for man		
CAN	US NIH - Report on Carcinogens		Reasonably Anticipated to be Human Carcinogen		
CAN	IARC		Group 2a - Agent is probably Carcinogenic to humans		
DEV	CA EPA - Prop 65		Developmental toxicity		
GEN	MAK		Germ Cell Mutagen 3a		
CAN	EU - GHS (H-Statements)		H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]		
CAN	GHS - Australia		H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]		
GEN	GHS - Australia		H340 - May cause genetic defects [Germ cell mutagenicity - Category 1A or 1B]		
CAN	GHS - Korea		H350 - May cause cancer [Carcinogenicity - Category 1]		
CAN	GHS - Japan		H350 - May cause cancer [Carcinogenicity - Category 1B]		
GEN	GHS - Korea		H340 - May cause genetic defects [Germ cell mutagenicity - Category 1]		

SUBSTANCE NOTES: *There is not an appropriate classification for the polyurethane resin used in the viscosity modifier. This was the best choice available and will be updated as more options become available in the future.

DINOSEB, AMMONIUM SALT

ID: 6365-83-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-08-10 16:02:40		
%: Impurity/Residual		GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
REP	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B
REP	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans
AQU	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
MAM	EU - GHS (H-Statements)	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	EU - GHS (H-Statements)	H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]
EYE	EU - GHS (H-Statements)	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
DEV	EU - GHS (H-Statements)	H360Df - May damage the unborn child. Suspected of damaging fertility [Reproductive toxicity - Category 1A or 1B]
SUBSTANCE NOTES: Ingredient ammonium salt.		

NEPHELINE SYENITE

ID: 37244-96-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 16:11:03		
%: 0.0500 - 0.1200	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: sodium potassium alumino silicate				

1,2-BENZISOTHIAZOLINE-3-ONE

ID: 2634-33-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-16 14:31:59		
?: 0.0200 - 0.0400	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Biocide

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
AQU	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
SKI	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
EYE	EU - GHS (H-Statements)	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
SUBSTANCE NOTES: In-Can Preservative		

AMMONIUM HYDROXIDE

ID: 1336-21-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 16:12:11		
%: 0.0100 - 0.0300	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
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		
AQU	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]		
SKI	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]		
SUBSTANCE NOTES: pH stabilizer in polymer				

POLYOXYL STEARYL ETHER

ID: 9005-00-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 15:56:00		
%: 0.0010 - 0.0050	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:				

TITANIUM DIOXIDE (PRIMARY CASRN IS 13463-67-7)

ID: 946525-05-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-08-10 16:05:34			
%: 0.0000 - 10.0000		GS: LT-1	RC: None	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)		H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		
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 APPLICABLE FACILITIES: Monopole, Inc. 4661 Alger Street Los Angeles, CA 90039. CERTIFICATE URL:	ISSUE DATE: 2021-08-25	EXPIRY DATE: 2022-08-25	CERTIFIER OR LAB: Monopole, Inc.
CERTIFICATION AND COMPLIANCE NOTES: Monopole is in the process of conducting VOC Emissions Testing. VOC Content is less than 100 g/L			
VOC CONTENT		ASTM D6886	
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: Monopole, Inc. 4661 Alger Street Los Angeles, CA 90039 CERTIFICATE URL:	ISSUE DATE: 2021-08-23	EXPIRY DATE: 2023-08-23	CERTIFIER OR LAB: Monopole In-House Laboratory
CERTIFICATION AND COMPLIANCE NOTES: Standard Test Method for Determination of the Weight Percent Individual Volatile Organic Compounds in Waterborne Air-Dry Coatings by Gas Chromatography. VOC Coating1, Regulatory VOC: 51 g/L VOC Coating2, Actual VOC: 41 g/L			
VOC CONTENT		ASTM D2369	
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: Monopole, Inc. 4661 Alger Street Los Angeles, CA 90039 CERTIFICATE URL:	ISSUE DATE: 2021-08-23	EXPIRY DATE: 2023-08-23	CERTIFIER OR LAB: Monopole In-House Laboratory
CERTIFICATION AND COMPLIANCE NOTES: Standard Test Method for Volatile Content of Coatings VOC Content: 51-52 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.

PERMASHIELD 100 OR PERMASHIELD 200	HPD URL: https://secureservercdn.net/72.167.241.180/029.1eb.myftpupload.com/wp-content/uploads/2020/07/Permashield_200.pdf
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Primer for Monopole topcoats such as Permashield 100 and Permashield 200	

Section 5: General Notes

BASIC USES: MONOBOND can be used for vertical or horizontal, interior and exterior applications. It can be top coated with acrylic/latex, oil-based alkyds, epoxies, urethanes, etc.

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.