Health Product Declaration v2.3

Yes ○ No

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 29361

CLASSIFICATION: 09 96 00 High-Performance Coatings

PRODUCT DESCRIPTION: MONOCHEM 21 is a 2-component, 100% solids, high-build, liquid applied, Polyamine, Cyclo-Aliphatic Epoxy. MONOCHEM 21 is available in high gloss, clear, standard colors and can be mixed with decorative chips, color micas, or silica sand. It is designed

as a high performance primer, base coat or interior top coat.



Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

C Nested Materials Method Basic Method

Threshold Disclosed Per

Material Product Threshold Level C 100 ppm

C 1,000 ppm Per GHS SDS

Other

Residuals/Impurities Evaluation

Completed

C Partially Completed Not Completed

Explanation(s) provided: Yes ○ No

Characterized

For all contents above the threshold, the manufacturer has: ⊙ Yes ○ No

Provided weight and role.

Screened

Provided screening results using HPDC-approved

methods.

Identified

Provided name and CAS RN or other 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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

MONOCHEM 21 [ARALDITE B LT-P1 | END BENZYL ALCOHOL BM-2 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-, COMPD. WITH 2-AMINO-2-METHYL-1-PROPANOL NoGS TITANIUM DIOXIDE LT-1 | CAN | END TRIMETHYLOLPROPANE TRIACRYLATE LT-P1 | SKI | CAN | RES | MUL | EYE ALKYL (C12, C14) GLYCIDYL ETHER LT-P1 | MUL | SKI AROMATIC NAPHTHA, TYPE 1 LT-1 | END | CAN | MUL | GEN | MAM DIISOBUTYL KETONE LT-UNK]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 10 Regulatory (g/l): 10

Does the product contain exempt VOCs: No

Are colorants available that do not increase the VOC content of the

base paint when tinted: Yes

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional

VOC emissions: ASTM D5116 VOC content: ASTM D6886-14e1

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

C Yes No

PREPARER: Self-Prepared

VERIFIER: VERIFICATION #: **SCREENING DATE: 2022-03-14** PUBLISHED DATE: 2022-07-25 EXPIRY DATE: 2025-03-14



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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

MONOCHEM 21

PRODUCT THRESHOLD: Per GHS SDS

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities to report.

OTHER PRODUCT NOTES:

ARALDITE B ID: 25085-99-8

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2022-03-14 15:34:45
%: 54.0000 - 60.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
END	EU - Priority Endocrine Disrupto	rs	Category 2 - In v	vitro evidence of biological activity crine Disruption
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists

SUBSTANCE NOTES: Liquid Epoxy Resin - Bisphenyl A

Clear Formulation: 60% White Base: 54%

BENZYL ALCOHOL ID: 100-51-6

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2022-03-23 13:55:21
%: 7.0000 - 17.0000	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Accelerator
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No wari	nings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists
SUBSTANCE NOTES:				

2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-, COMPD. WITH 2-AMINO-2-METHYL-1-PROPANOL

ID: 68128-58-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-03-23 13:56:36

%: 7.0000 - 17.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Curing agent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No war	nings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists
SUBSTANCE NOTES: Cycloa	aliphatic amine curing agent compon	ent		

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2022-03-23 14:02:11
%: 8.0000 - 12.0000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	US CDC - Occupational Carcino	gens	Occupational Ca	arcinogen
CAN	CA EPA - Prop 65		Carcinogen - sporoute	ecific to chemical form or exposure
CAN	IARC		Group 2B - Poss from occupation	sibly carcinogenic to humans - inhaled al sources
CAN	MAK		•	up 3A - Evidence of carcinogenic effec t to establish MAK/BAT value
END	TEDX - Potential Endocrine Disre	uptors	Potential Endocr	rine Disruptor
CAN	MAK		Carcinogen Grou low risk under M	up 4 - Non-genotoxic carcinogen with
CAN	EU - GHS (H-Statements) Annex	6 Table 3-1	H351 - Suspecte Category 2]	ed of causing cancer [Carcinogenicity -
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
None found			No	listings found on Additional Hazard Lis

TRIMETHYLOLPROPANE TRIACRYLATE					ID: 15625-89-5
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2022-03-14 15:38:59	
%: 7.0000 - 10.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE	: Diluent

SUBSTANCE NOTES: Ingredient used in the White Base at ~10 $\!\%$

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
CAN	IARC	Group 2b - Possibly carcinogenic to humans
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: acrylate functional diluents

improved adhesion, hardness, chemical resistance & thermal resistance properties as compared to TPGDA.

ALKYL (C12, C14) GLYCIDYL ETHER

ID: 68609-97-2

Pharos Chemical and Materials Library	HAZARD SO	PREENING DATE: 2	2022-03-14 15:35:41
GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Diluent
AGENCY AND LIST TITLES		WARNINGS	
German FEA - Substances Haza Waters	rdous to	Class 2 - Hazard t	o Waters
EU - GHS (H-Statements) Annex	6 Table 3-1	H315 - Causes ski Category 2]	n irritation [Skin corrosion/irritation -
EU - GHS (H-Statements) Annex	6 Table 3-1	H317 - May cause sensitization - Cat	an allergic skin reaction [Skin egory 1]
AGENCY AND LIST TITLES		NOTIFICATION	
		No lis	tings found on Additional Hazard List
	GreenScreen: LT-P1 AGENCY AND LIST TITLES German FEA - Substances Hazar Waters EU - GHS (H-Statements) Annex EU - GHS (H-Statements) Annex	GreenScreen: LT-P1 RC: None AGENCY AND LIST TITLES German FEA - Substances Hazardous to Waters EU - GHS (H-Statements) Annex 6 Table 3-1 EU - GHS (H-Statements) Annex 6 Table 3-1	AGENCY AND LIST TITLES German FEA - Substances Hazardous to Waters EU - GHS (H-Statements) Annex 6 Table 3-1 EU - GHS (H-Statements) Annex 6 Table 3-1 H315 - Causes ski Category 2] EU - GHS (H-Statements) Annex 6 Table 3-1 H317 - May cause sensitization - Category AND LIST TITLES NOTIFICATION

AROMATIC NAPHTHA, TYPE 1

ID: 64742-95-6

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2022-03-14 15:40:13
%: 0.5000 - 1.0000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Surfactant

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
GEN	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
GEN	EU - Annex VI CMRs	Mutagen - Category 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	EU - GHS (H-Statements) Annex 6 Table 3-1	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]
GEN	EU - GHS (H-Statements) Annex 6 Table 3-1	H340 - May cause genetic defects [Germ cell mutagenicity - Category 1A or 1B]
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Acrylic Leveling Additives with Air Release Properties

DIISOBUTYL KETONE					ID: 108-83-8
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2022-03-14 15:40:57	
%: 0.0400 - 0.1000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: \$	Surfactant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warr	nings found on HPD Priori	ty Hazard Lists
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION		
None found			No	listings found on Addition	al Hazard Lists
SUBSTANCE NOTES: Ac	crylic Leveling Additives with Air Release P	roperties			

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: 2022-03-16 CERTIFIER OR LAB: Monopole In

APPLICABLE FACILITIES: Monopole Facility EXPIRY DATE: 2024-03-16 House Lab

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: This test has not been completed

VOC CONTENT ASTM D6886-14e1

CERTIFYING PARTY: Self-declared ISSUE DATE: 2022-03-16 CERTIFIER OR LAB: Monopole In

APPLICABLE FACILITIES: Monopole Facility EXPIRY DATE: 2024-03-16 House Lab

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Material (g/l): 10 Regulatory (g/l): 10



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 200

MANUFACTURER (OR GENERIC): Monopole, Inc.

HPD URL: https://secureservercdn.net/72.167.241.180/029.1eb.myftpupload.com/wp-content/uploads/2020/07/Permashield_200.pdf ACCESSORY TYPE:

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Monochem 21 is a high performance primer that should be used prior to the application of Permashield 200 topcoat for floors.

MONOCHEM 21 COLORS

MANUFACTURER (OR GENERIC): Monopole, Inc.

HPD URL: No HPD Available

ACCESSORY TYPE: Maintenance Product

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Monochem 21 Epoxy Primer is available in clear and colors.



Section 5: General Notes

MONOCHEM 21 can be used as an epoxy primer with all the MONOCHEM decking systems. MONOCHEM 21 can be pigmented to any color or used in combination with color quartz, paint chips, micas or light aggregates. It may also be used over almost all water, oil, solvent, alkyd base, coatings or stains.

MONOCHEM 21 is also ideal for top-coating unknown coatings, glazed, sealed and very smooth non-porous surfaces. MONOCHEM 21 can be applied on concrete, prepared metal (non ferrous), wood, glass, reinforced plastics, polyurethane elastomeric coatings, glazed surfaces and many other non porous substrates maximizing the adhesion between the substrate and top coat.

MONOCHEM 21 as a FINISH COAT: It is also a very durable coating that is recommended for protecting and dust-proofing interior concrete floors in warehouses, manufacturing plants, residential/industrial garages, mechanical rooms and commercial kitchens where seamless, chemically resistant floors are desired. MONOCHEM 21 is not UV stable and must be topcoated with a pigmented coating if exposed to UV.

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

CAN Cancer

DEV Developmental toxicity **END** Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

LAN Land toxicity

MAM Mammalian/systemic/organ toxicity

MUL Multiple

NEU Neurotoxicity

NF Not found on Priority Hazard Lists

OZO Ozone depletion

PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)

REP Reproductive

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

UNK Unknown

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement) 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)

LT-1 List Translator 1 (Likely Benchmark-1)

LT-UNK List Translator Benchmark Unknown

NoGS No GreenScreen.

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

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.