

HPD UNIQUE IDENTIFIER: 25020

CLASSIFICATION: 09 97 35 Dry Erase Coatings

PRODUCT DESCRIPTION: Two-component aliphatic polyurethane that creates a dry erase environment for interior or exterior surfaces. It allows almost any surface to be converted into a high performance erasable canvas. It is a GREEN/universally compliant coating that is USDA approved and has no hazardous air pollutants.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

<p>Inventory Reporting Format</p> <p><input type="radio"/> Nested Materials Method</p> <p><input checked="" type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>	<p>Threshold level</p> <p><input checked="" type="radio"/> 100 ppm</p> <p><input type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Other</p>	<p>Residuals/Impurities</p> <p><input checked="" type="radio"/> Considered</p> <p><input type="radio"/> Partially Considered</p> <p><input type="radio"/> Not Considered</p> <p>Explanation(s) provided for Residuals/Impurities?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>All Substances Above the Threshold Indicated Are:</i></p> <p>Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>% weight and role provided for all substances.</i></p> <p>Screened <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><i>One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.</i></p> <p>Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><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></p>
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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**

**DRY ERASE [ POLYACRYLIC RESIN Not Screened WATER (PRIMARY CASRN IS 7732-18-5) BM-4 HEXANE, 1,6-DIISOCYANATO-, HOMOPOLYMER LT-P1 CYCLOHEXANAMINE, N,N-DIMETHYL-, COMPDS. WITH 3-(CYCLOHEXYLAMINO)-1-PROPANESULFONIC ACID-BLOCKED 1,6-DIISOCYANATOHEXANE HOMOPOLYMER NoGS TALC BM-1 | CAN TRIETHANOLAMINE LT-P1 | END | RES POLYOXYETHYLATED STEARYL ALCOHOL LT-P1 | MUL BUTOXYPROPANOL LT-UNK | SKI | EYE ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE) BM-2 | END | SKI | EYE TITANIUM DIOXIDE LT-1 | CAN | END TRIETHYLENE GLYCOL MONOBUTYL ETHER LT-UNK | EYE POLY(OXY-1,2-ETHANEDIYL), ALPHA-2-PROPENYL-OMEGA-HYDROXY LT-UNK ]**

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): 5 Regulatory (g/l): 3

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: CA SECTION 01350 COMPLIANT

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: 2020-06-15

PUBLISHED DATE: 2021-06-04

EXPIRY DATE: 2023-06-15

## 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](http://www.hpd-collaborative.org/hpd-2-2-standard)

### DRY ERASE

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

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

OTHER PRODUCT NOTES: N/A

### POLYACRYLIC RESIN

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

#: **31.0000 - 35.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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Hazard Screening not performed

SUBSTANCE NOTES: coreactant for water-dispersible polyisocyanate

### WATER (PRIMARY CASRN IS 7732-18-5)

ID: **652133-48-7**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-04 9:50:09**

#: **20.0000 - 24.0000** GS: **BM-4** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Dispersant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

### HEXANE, 1,6-DIISOCYANATO-, HOMOPOLYMER

ID: **28182-81-2**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-06-23 17:01:57**

#: **17.0000 - 29.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Activator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Iso

### CYCLOHEXANAMINE, N,N-DIMETHYL-, COMPS. WITH 3-(CYCLOHEXYLAMINO)-1-PROPANESULFONIC ACID-BLOCKED 1,6-DIISOCYANATOHXANE HOMOPOLYMER

ID: **666723-27-9**

%: **4.0000 - 7.3000**GS: **NoGS**RC: **None**NANO: **No**SUBSTANCE ROLE: **Activator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Iso Component

**TALC**ID: **14807-96-6**%: **0.5000 - 1.0000**GS: **BM-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Filler**

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: high purity, ultra-fine talc

**TRIETHANOLAMINE**ID: **102-71-6**%: **0.5000 - 2.5000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Buffer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
RES	AOEC - Asthmagens	Asthmagens (Rs) - sensitizer-induced

SUBSTANCE NOTES: Anionic polyacrylate dispersion

**POLYOXYETHYLATED STEARYL ALCOHOL**ID: **9005-00-9**%: **0.1800 - 0.2500**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: emulsion defoamer based on polyether

**BUTOXYPROPANOL**ID: **5131-66-8**%: **0.0500 - 0.0900**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Surface modifier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: polyether modified polymethylalkylsiloxane. Acts as a silicone based leveling agent.

### ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE)

ID: 111-76-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-06-23 17:18:44**  
 %: **0.0300 - 0.0400** GS: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Surface modifier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: polyether modified polymethylalkylsiloxane.

### TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-06-26 0:09:13**  
 %: **0.0100 - 11.0000** 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

SUBSTANCE NOTES:

### TRIETHYLENE GLYCOL MONOBUTYL ETHER

ID: 143-22-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-06-23 17:06:34**  
 %: **0.0010 - 0.0030** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
EYE	EU - GHS (H-Statements)	H318 - Causes serious eye damage

SUBSTANCE NOTES: non-ionic rheology additive, low shear

**POLY(OXY-1,2-ETHANEDIYL), ALPHA-2-PROPENYL-OMEGA-HYDROXY**

ID: 27274-31-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-06-23 17:11:03**

#: **0.0004 - 0.0013** 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: silicone surfactant, substrate wetting

## 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	CA SECTION 01350 COMPLIANT		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: UL Environment - Marietta, 2211 Newmarket Parkway, Marietta, GA 30067-9399 CERTIFICATE URL: <a href="https://monopoleinc.com/wp-content/uploads/2017/11/Permashield-200-Premium-Dry-Erase-CDPH-01350-Complaint-1.pdf">https://monopoleinc.com/wp-content/uploads/2017/11/Permashield-200-Premium-Dry-Erase-CDPH-01350-Complaint-1.pdf</a>	ISSUE DATE: 2020-04-10	EXPIRY DATE: 2025-04-10	CERTIFIER OR LAB: UL Environment - Marietta, 2211 Newmarket Parkway, Marietta, GA 30067-9399
CERTIFICATION AND COMPLIANCE NOTES: CA SECTION 01350 COMPLIANT Low-emitting materials			

VOC CONTENT	ASTM D6886-14e1		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: Monopole, Inc. CERTIFICATE URL:	ISSUE DATE: 2020-04-10	EXPIRY DATE: 2025-04-10	CERTIFIER OR LAB: Monopole, Inc.
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

MONOCHEM DRY ERASE is a two-component aliphatic polyurethane that creates a dry erase environment for interior or exterior surfaces. It allows almost any surface to be converted into a high performance erasable canvas. It is a GREEN/universally compliant coating that is USDA approved and has no hazardous air pollutants.

### BASIC USES:

MONOCHEM DRY ERASE is ideal for most drywall, masonite, wood, concrete, cement and prepared metal surfaces. It is highly recommended for a variety of settings like schools (old chalkboards, whiteboards, or walls), offices, warehouse, cafeterias, gymnasiums, homes, etc.

### FEATURES:

- Universally Compliant, Environmentally Friendly, Low VOC
- HAPS Free (Hazardous Air Pollutants), No Fumes
- Suitable for USDA Inspected Facilities
- Top Tier Chemical, Solvent, Water, and Oil Resistance
- Outstanding Hardness, Durability and Abrasion Resistance
- Top Tier Cleanability and Stain Resistance
- Can be Pigmented to Any Color

**MANUFACTURER INFORMATION**

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

**CONTACT NAME:** Angela Wooddell  
**TITLE:** Director of Operations  
**PHONE:** 818-500-8585  
**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**

<b>AQU</b> Aquatic toxicity	<b>LAN</b> Land toxicity	<b>PHY</b> Physical hazard (flammable or reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>NF</b> Not found on Priority Hazard Lists	<b>UNK</b> Unknown
<b>GEN</b> Gene mutation	<b>OZO</b> Ozone depletion	
<b>GLO</b> Global warming	<b>PBT</b> Persistent, bioaccumulative, and toxic	

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> 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.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	<b>NoGS</b> 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.*