

HPD UNIQUE IDENTIFIER: 27205

CLASSIFICATION: 06 06 60 Schedules for Plastic Fabrications

PRODUCT DESCRIPTION: Luxurious design resin material meets inspired innovation in the STUDIO Collection®. Highly workable, durable and thermoformable, this collection expands the spectrum of design resins with brilliant chromas, natural neutrals and sparkling metallics that look and feel like nothing you've seen, and everything you desire. Crafted from a proprietary resin blend, this premier design resin line stands out from all other surface choices for its unique combination of transparent, translucent and opaque polymers blended to create an endless world of design possibilities. Color outside the lines with the Chromatix™ custom color matching program from the STUDIO Collection. Classification #: 06 61 16 Solid Surfacing Fabrications; 12 36 00 Countertops.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

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

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

STUDIO COLLECTION | ALUMINA TRIHYDRATE BM-2 | RES

UNDISCLOSED CHEMICAL #1 NoGS METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE LT-UNK UNDISCLOSED CHEMICAL #2 BM-1 | END | CAN | RES | MUL | REP | SKI | EYE | MAM | DEV UNDISCLOSED CHEMICAL #3 LT-P1 | END | SKI | RES | PHY UNDISCLOSED BM-1 | END | RES | PHY UNDISCLOSED CHEMICAL #4 NoGS FUMED SILICA, CRYSTALLINE-FREE BM-1 POLYETHYLENE TEREPHTHALATE (PET) LT-UNK UNDISCLOSED CHEMICAL #5 LT-1 | CAN | END UNDISCLOSED LT-UNK UNDISCLOSED CHEMICAL #6 LT-1 | END | CAN | MUL | GEN | MAM UNDISCLOSED CHEMICAL #7 NoGS UNDISCLOSED LT-1 | MUL | PBT UNDISCLOSED CHEMICAL #8 BM-1 | END | MUL | REP | SKI UNDISCLOSED CHEMICAL #9 LT-UNK POLYACRYLIC ACID LT-UNK | CAN UNDISCLOSED CHEMICAL #10 LT-UNK MICA LT-UNK UNDISCLOSED LT-P1 | END UNDISCLOSED CHEMICAL #11 BM-1 | END | SKI | CAN | REP | PHY | MAM HEXANEDIOIC ACID, POLYMER WITH 2,2-DIMETHYL-1,3-PROPANEDIOL, 1,6-HEXANEDIOL, HYDRAZINE, 3-HYDROXY-2-(HYDROXYMETHYL)-2-METHYLPROPANOIC ACID AND 1,1'-METHYLENEBIS[4-ISOCYANATOCYCLOHEXANE], COMPD. WITH N,N-DIETHYLETHANAMINE LT-UNK METHYL ETHYL KETONE PEROXIDE LT-P1 UNDISCLOSED LT-P1 | END UNDISCLOSED CHEMICAL #15 NoGS UNDISCLOSED CHEMICAL #14 NoGS UNDISCLOSED CHEMICAL #12 BM-1 | CAN UNDISCLOSED CHEMICAL #13 LT-UNK UNDISCLOSED CHEMICAL #16 LT-P1 | MUL UNDISCLOSED CHEMICAL #17 BM-1 | CAN UNDISCLOSED LT-P1 | END UNDISCLOSED CHEMICAL #18 LT-UNK UNDISCLOSED CHEMICAL #19 LT-P1 | MUL | SKI | EYE | AQU UNDISCLOSED

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:

Aristech worked with an HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100ppm threshold. Due to the proprietary nature of the information, the name and CAS number for certain chemicals have been redacted from this substance entry. "Undisclosed" indicates chemicals Aristech holds confidential; "Undisclosed Chemical #n" indicates chemicals Aristech suppliers protect with NDAs.

CHEMICAL #20 LT-1 | RES | CAN | GEN UNDISCLOSED CHEMICAL #21
LT-UNK UNDISCLOSED CHEMICAL #22 LT-P1 | SKI UNDISCLOSED
CHEMICAL #23 LT-P1 | END | CAN | MUL UNDISCLOSED CHEMICAL
#24 LT-P1 | MUL UNDISCLOSED CHEMICAL #25 BM-1 | CAN
UNDISCLOSED CHEMICAL #26 LT-UNK WATER BM-4 UNDISCLOSED
BM-1 | END | DEV IRON OXIDE LT-UNK UNDISCLOSED LT-P1 | END |
EYE | PHY UNDISCLOSED CHEMICAL #27 LT-UNK UNDISCLOSED
CHEMICAL #28 LT-P1 | SKI | MUL UNDISCLOSED BM-1 | CAN
UNDISCLOSED CHEMICAL #29 LT-1 | DEV | REP | MUL UNDISCLOSED
CHEMICAL #30 LT-P1 | MUL | SKI UNDISCLOSED CHEMICAL #31 LT-
P1 | MUL]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT
VOC Content data is not applicable for this product category.

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

VOC emissions: SCS Indoor Advantage Gold - Classroom & Office scenario
Recycled content: SCS Recycled Content Certification - Products
LCA: Environmental Product Declaration (EPD) by SCS

CONSISTENCY WITH OTHER PROGRAMS
Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

☒ Yes
☐ No

PREPARER: ToxServices LLC
VERIFIER: SCS Global Services
VERIFICATION #: qGE-4894

SCREENING DATE: 2021-12-02
PUBLISHED DATE: 2022-01-20
EXPIRY DATE: 2024-12-02

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

STUDIO COLLECTION

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes
RESIDUALS AND IMPURITIES NOTES: Aristech worked with an HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100ppm threshold.	
OTHER PRODUCT NOTES:	

ALUMINA TRIHYDRATEID: 21645-51-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:15		
%: 33.0060 - 79.7230		GS: BM-2		RC: None NANO: No SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
RES	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced	
SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer. The GreenScreen Benchmark® assessment score of BM-2 was provided through the HPD 2.2 Builder Tool. The large range in min-max % usage is attributed to the multiple color options which are covered under this HPD.				

UNDISCLOSED CHEMICAL #1ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:16		
%: 16.6800 - 32.7400		GS: NoGS		RC: None NANO: No SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.				

METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATEID: 25852-37-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:16		
%: 13.5050 - 15.3050		GS: LT-UNK		RC: None NANO: No SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES:				

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-12-02 17:00:17**%: **8.9300 - 17.5300** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
END	ChemSec - SIN List	Endocrine Disruption
CAN	CA EPA - Prop 65	Carcinogen
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
CAN	IARC	Group 2a - Agent is probably Carcinogenic to humans
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CAN	MAK	Carcinogen Group 5 - Genotoxic carcinogen with very slight risk under MAK/BAT levels
END	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1A]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
DEV	EU - GHS (H-Statements) Annex 6 Table 3-1	H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually. The GreenScreen Benchmark® assessment score of BM-1 was provided through the HPD 2.2 Builder Tool.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-12-02 17:00:17**%: **1.7900 - 3.1500** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
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]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:18	
%: 0.8540 - 1.3540	GS: BM-1	RC: None	NANO: No SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor	
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced	
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H228 - Flammable solid [Flammable solids - Category 1 or 2]	
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H261 - In contact with water releases flammable gases [Substances and mixtures which, in contact with water, emit flammable gases - Category 2 or 3]	

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

UNDISCLOSED CHEMICAL #4

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:19	
%: 0.6000 - 17.6000	GS: NoGS	RC: None	NANO: No SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists	

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

FUMED SILICA, CRYSTALLINE-FREE

ID: **112945-52-5**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:19	
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%: 0.5000 - 2.0000 GS: BM-1 RC: None NANO: No SUBSTANCE ROLE: Structure component		
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES:		

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:20			
%: 0.4390 - 1.3070		GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS	
None found				No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES:					

UNDISCLOSED CHEMICAL #5

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-12-02 17:00:20		
%: 0.4260 - 2.1740		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) Annex 6 Table 3-1		H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-12-02 17:00:21		
%: 0.2860 - 1.9200		GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

UNDISCLOSED CHEMICAL #6

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-12-02 17:00:21**

#: **0.2500 - 44.1700** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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]

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

UNDISCLOSED CHEMICAL #7

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-12-02 17:00:22**

#: **0.1900 - 26.4300** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-12-02 17:00:22		
%: 0.1490 - 0.1490		GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters		
PBT	OSPAR - Priority PBTs & EDs & equivalent concern		PBT - Substance of Possible Concern		
PBT	ChemSec - SIN List		PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)		
PBT	EU - SVHC Authorisation List		PBT - Candidate list		
PBT	EU - SVHC Authorisation List		PBT - Prioritized for listing		
PBT	EU - SVHC Authorisation List		vPvB - Candidate list		
PBT	EU - SVHC Authorisation List		vPvB - Prioritized for listing		
PBT	EU - SVHC Authorisation List		PBT - Banned unless Authorised		
PBT	EU - SVHC Authorisation List		vPvB - Banned unless Authorised		
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.					

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:23			
%: 0.1000 - 3.1100		GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters		
REP	GHS - Japan		H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]		
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1		H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]		
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually. The GreenScreen Benchmark® assessment score of BM-1 was provided through the HPD 2.2 Builder Tool.					

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-12-02 17:00:24		
%: 0.0900 - 18.5500		GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.		

POLYACRYLIC ACID

ID: 9003-01-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:24		
%: 0.0900 - 0.2250		GS: LT-UNK		RC: None NANO: No SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	MAK		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels	
SUBSTANCE NOTES:				

UNDISCLOSED CHEMICAL #10

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:25		
%: 0.0800 - 12.2600	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.				

MICA

ID: 12001-26-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:25		
%: 0.0680 - 1.2000		GS: LT-UNK		RC: None NANO: No SUBSTANCE ROLE: Structure component
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:26		
%: 0.0430 - 0.4300	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

UNDISCLOSED CHEMICAL #11

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:27		
%: 0.0400 - 3.1100	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization		
CAN	CA EPA - Prop 65	Carcinogen		
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
CAN	IARC	Group 2b - Possibly carcinogenic to humans		
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]		
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1A]		
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]		
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]		

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually. The GreenScreen Benchmark® assessment score of BM-2 was provided through the HPD 2.2 Builder Tool.

HEXANEDIOIC ACID, POLYMER WITH 2,2-DIMETHYL-1,3-PROPANEDIOL, 1,6-HEXANEDIOL, HYDRAZINE, 3-HYDROXY-2-(HYDROXYMETHYL)-2-METHYLPROPANOIC ACID AND 1,1'-METHYLENEBIS[4-ISOCYANATOCYCLOHEXANE], COMPD. WITH N,N-DIETHYLETHANAMINE

ID: 125826-44-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:27		
%: 0.0370 - 0.0670	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES:

METHYL ETHYL KETONE PEROXIDE

ID: 1338-23-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:28		
%: 0.0340 - 0.3400	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component

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

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:30		
%: 0.0200 - 0.2000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.				

UNDISCLOSED CHEMICAL #15

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:30		
%: 0.0200 - 2.0000	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.				

UNDISCLOSED CHEMICAL #14

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:29		
%: 0.0200 - 2.0000	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.				

UNDISCLOSED CHEMICAL #12

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:28		
%: 0.0200 - 0.4900	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually. The GreenScreen Benchmark® assessment score of BM-1 was provided through the HPD 2.2 Builder Tool.		

UNDISCLOSED CHEMICAL #13

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:29		
#: 0.0200 - 0.0700	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.				

UNDISCLOSED CHEMICAL #16

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:31		
%: 0.0100 - 0.0600	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
MUL	German FEA - Substances Hazardous to Waters		Class 3 - Severe Hazard to Waters	
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.				

UNDISCLOSED CHEMICAL #17

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:31		
#: 0.0100 - 0.1100	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		
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		

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-12-02 17:00:32**

?: **0.0100 - 0.0150** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

UNDISCLOSED CHEMICAL #18

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-12-02 17:00:33**

?: **0.0080 - 1.5900** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

UNDISCLOSED CHEMICAL #19

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-12-02 17:00:33**

?: **0.0080 - 0.4100** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:34			
%: 0.0050 - 0.0500		GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
RES	AOEC - Asthmagens		Asthmagen (G) - generally accepted		
CAN	MAK		Carcinogen Group 2 - Considered to be carcinogenic for man		
RES	MAK		Sensitizing Substance Sah - Danger of airway & skin sensitization		
GEN	MAK		Germ Cell Mutagen 3a		
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.					

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:34			
%: 0.0050 - 0.0260		GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.					

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:35		
%: 0.0040 - 0.5700	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1		H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]	
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.				

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-12-02 17:00:35		
%: 0.0040 - 0.1600		GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
END	ChemSec - SIN List	Endocrine Disruption
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.		

UNDISCLOSED CHEMICAL #24

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:36		
%: 0.0040 - 0.0390	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.				

UNDISCLOSED CHEMICAL #25

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:36		
%: 0.0030 - 0.0120	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	GHS - Japan		H350 - May cause cancer [Carcinogenicity - Category 1A]	
CAN	GHS - Australia		H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]	
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.				

UNDISCLOSED CHEMICAL #26

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:37		
%: 0.0020 - 0.0920	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:37		
%: 0.0020 - 0.2000	GS: BM-4	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES: The GreenScreen® Benchmark assessment score of BM-4 was provided through the HPD 2.2 Builder Tool.				

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:38		
%: 0.0020 - 0.2300	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
DEV	CA EPA - Prop 65		Developmental toxicity	
DEV	US NIH - Reproductive & Developmental Monographs		Clear Evidence of Adverse Effects - Developmental Toxicity	
SUBSTANCE NOTES: The GreenScreen® Benchmark assessment score of BM-1 was provided through the HPD 2.2 Builder Tool.				

IRON OXIDE

ID: 1332-37-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:38		
%: 0.0020 - 0.0600	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-06 19:11:34		
%: 0.0020 - 0.0200	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

UNDISCLOSED CHEMICAL #27

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:39		
%: 0.0010 - 0.0750	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

UNDISCLOSED CHEMICAL #28

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:39		
%: 0.0010 - 0.0370	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
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		

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:40		
%: 0.0010 - 0.2050	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
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: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually. The GreenScreen® Benchmark assessment score of BM-1 was provided through the HPD 2.2 Builder Tool.

UNDISCLOSED CHEMICAL #29

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:41		
?: 0.0000 - 0.0300	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
DEV	MAK	Pregnancy Risk Group B		
REP	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B		
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
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		
DEV	GHS - Australia	H360D - May damage the unborn child [Reproductive toxicity - Category 1A or 1B]		
DEV	EU - GHS (H-Statements) Annex 6 Table 3-1	H360D - May damage the unborn child [Reproductive toxicity - Category 1A or 1B]		

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

UNDISCLOSED CHEMICAL #30

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-02 17:00:41		
?: 0.0000 - 0.0100	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
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]		

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.

UNDISCLOSED CHEMICAL #31

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-07 13:14:34		
?: 0.0000 - 0.0310	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually.		

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	SCS Indoor Advantage Gold - Classroom & Office scenario		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: ALL CERTIFICATE URL: https://cdn.scs-certified.com/products/cert_pdfs/AristechSurfaces_2021_SCS-IAQ-04802_s.pdf	ISSUE DATE: 2021-02-01	EXPIRY DATE: 2022-01-31	CERTIFIER OR LAB: SCS Global Services
CERTIFICATION AND COMPLIANCE NOTES: SCS Indoor Advantage Gold Certified - SCS-IAQ-04802; Indoor Air Quality Certified to SCS-EC10.3-2014e v4.0. Conforms to the CDPH/EHLB Standard Method (CA 01350) v1.2-2017 for the school classroom, private office, and single-family residence parameters for wall-coverings.			

RECYCLED CONTENT	SCS Recycled Content Certification - Products		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: ALL CERTIFICATE URL: https://cdn.scs-certified.com/products/cert_pdfs/Aristech_2021_SCS-MC-01332_s.pdf	ISSUE DATE: 2021- 12-01	EXPIRY DATE: 2022-11-30	CERTIFIER OR LAB: SCS Global Services
CERTIFICATION AND COMPLIANCE NOTES: Registration#: SCS-MC-01332. Conforms to the SCS Recycled Content Standard V7-0 for an Minimum 40% Pre-Consumer Recycled Polymer Content. Material quantification is calculated by a mass-balance on a dry-weight basis.			

LCA	Environmental Product Declaration (EPD) by SCS		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: ALL CERTIFICATE URL: https://aristechsurfaces.com/SCS-EPD-05007_StudioCollection_060818.pdf	ISSUE DATE: 2018-06- 08	EXPIRY DATE: 2023- 06-07	CERTIFIER OR LAB: SCS Global Services
CERTIFICATION AND COMPLIANCE NOTES: Certificate number: SCS-EPD-05007. Product Category Rule for Environmental Product Declarations: PCR for Residential Countertops. NSF International. Valid through September 17, 2018. This EPD conforms to ISO 14025, 14040, and 14044.			

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

Aristech worked with an HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100ppm threshold.

MANUFACTURER INFORMATION

MANUFACTURER: Aristech Surfaces, LLC
ADDRESS: 1945 Highway 304
Belen NM 87002, USA
WEBSITE: www.aristechs-surfaces.com

CONTACT NAME: Sebastian Joseph
TITLE: Director, R&D
PHONE: (859) 538-4868
EMAIL: sjoseph@aristechs-surfaces.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.