

HPD UNIQUE IDENTIFIER: 623722496
HPD UNIQUE PRODUCT ID: Not provided.
CLASSIFICATION: 06 61 16 Solid Surfacing Fabrications
PRODUCT DESCRIPTION: Elenite is partially engineered from post-industrial recycled materials, offering premium performance equivalent to leading solid surface brands while reducing embedded carbon by 25% compared to Meganite’s standard formulation. Formaldehyde-free and independently tested to both EN 13501-1 and ASTM E84, Elenite achieves B-s1,d0 and Class A fire ratings — a testament to its safety, sustainability, and material integrity.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Residuals/Impurities Evaluation	For all contents above the threshold, the manufacturer has:
→ Basic Method	→ Completed	
Threshold Disclosed Per	Explanation(s) provided :	Characterized
→ Product	Yes	Provided weight and role.
Threshold Level		Screened
→ 1,000 ppm		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
ELENITE ACRYLIC SOLID SURFACE [ALUMINA TRIHYDRATE
(PRIMARY CASRN IS 21645-51-2) BM-2 | SKI | EYE METHYL
METHACRYLATE LT-P1 | PHY | SKI | END | EYE | MAM POLYMETHYL
METHACRYLATE LT-P1 NATURE FIBER TITANIUM DIOXIDE BM-1 * |
CAN | END | MAM UNDISCLOSED LT-P1]

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1
Nanomaterial ... No
INVENTORY AND SCREENING NOTES:
Antimicrobial Pesticides Reporting: This product does not contain substance(s) that are intentionally added above the [Product - 1,000 ppm] threshold to act as antimicrobials.
Information is not available as to whether the product contains substance(s) that are intentionally added below the selected threshold to act as antimicrobials.
Special Conditions applied: [BiologicalMaterial]
Special Conditions applied: [Polymers]

This disclosure includes ingredients at 1,000 ppm threshold. Range for substance' percent weight are provided. Exact ingredient percentages are withheld as Meganite® Intellectual Property.

*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

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

COMPLIANCE See Section 3 for additional listings.
VOC emissions: UL/GreenGuard Certified
VOC emissions: UL/GreenGuard Gold Certified

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

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 3.0, available on the HPDC website at: www.hpd-collaborative.org/hpd-3-0-standard

ELENITE ACRYLIC SOLID SURFACE

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Elenite is a polymerized product manufactured using solid surface technology. It is a solid, homogeneous material composed of fully polymerized resins containing fire retardants and acrylic components. The product is non-toxic and non-allergenic to humans.

OTHER PRODUCT NOTES: No heavy metals or toxic chemicals are used in Meganite® products. All raw materials are carefully selected and monitored under a strict quality control program. Each batch is verified for compliance through RoHS and REACH.

In Elenite, natural fibers such as bamboo powder and walnut shell are incorporated to enhance aesthetic appeal.

ALUMINA TRIHYDRATE (PRIMARY CASRN IS 21645-51-2)				ID: 8064-00-4
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-12-03 0:46:00		
?: 52.0000 - 62.0000	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Flame retardant
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
SKI	GHS - New Zealand		Skin irritation category 2	
EYE	GHS - New Zealand		Eye irritation category 2	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)		C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025	
			Children's Toy Products	

SUBSTANCE NOTES: Synonyms for Aluminum Trihydrate (ATH) include Aluminum Hydroxide, Hydrated Alumina, and Aluminum Trihydroxide. ATH functions as a non-halogenated flame retardant and chemically inert filler. Meganite® Elenite™ Acrylic Solid Surface products are composed of reacted acrylic monomers and resins, mineral fillers, natural fibers, and colorants. All material inputs are encapsulated by the polymerization of acrylic-based reactants during the manufacturing process. In its finished form, Meganite® solid surface material is an article that is nontoxic and non-allergic to humans.

METHYL METHACRYLATE				ID: 80-62-6
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-10-22 22:55:53		
?: 25.0000 - 35.5000	GreenScreen: LT-P1	RC: PreC	NANO: No	POLYMER ROLE: Polymer species

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
PHY	GHS - New Zealand	Flammable liquids category 2
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - New Zealand	Skin sensitisation category 1
PHY	GHS - Japan	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
PHY	GHS - Malaysia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
SKI	GHS - Malaysia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
PHY	GHS - Australia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Some Solvents
POLYMER TYPE: Thermoplastic		
AVERAGE MOLECULAR WEIGHT : Unknown		
PERCENTAGE OF POLYMER WITH MOLECULAR WEIGHT LESS THAN 500 DA: Unknown		
ADDITIONAL SUBSTANCES CONSIDERED: No		

POLYMER NOTES: This polymer has been reported in accordance to [HPDC Special Conditions Policy](#) for polymers with disclosed CAS numbers.

ADDITIONAL NOTES: This substance entry represents a formulated blend of virgin and pre-consumer recycled monomers (rMMA) derived from post-industrial waste streams. MMA is a reactive precursor that becomes fully polymerized into the Polymethyl Methacrylate (PMMA) matrix during manufacturing. In its finished form, the Meganite® Elenite™ article contains no free liquid monomer, is chemically inert, non-flammable, and nontoxic.

POLYMETHYL METHACRYLATE

ID: 9011-14-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-12-17 20:37:48

%: 0.0000 - 15.0000

GreenScreen: LT-P1

RC: None

NANO: No

POLYMER ROLE: Processing regulator

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance

POLYMER TYPE: Thermoplastic

AVERAGE MOLECULAR WEIGHT : Unknown

PERCENTAGE OF POLYMER WITH MOLECULAR WEIGHT LESS THAN 500 DA: Unknown

ADDITIONAL SUBSTANCES CONSIDERED: No

POLYMER NOTES: This polymer has been reported in accordance to [HPDC Special Conditions Policy](#) for polymers with disclosed CAS numbers.

ADDITIONAL NOTES: Non-crosslinked acrylic polymer (PMMA-based) used as a polymeric component in Elenite® acrylic solid surface material. In its finished form, Elenite® acrylic solid surface material is manufactured as a solid article. Based on current knowledge and intended use, the finished product is considered non-toxic and non-allergenic to humans.

NATURE FIBER

ID: Biological Material

HAZARD DATA SOURCE: [HPDC Special Conditions Policy](#)

%: 2.0000 - 10.0000

GreenScreen: Not Required

RC: UNK

NANO: No

MATERIAL ROLE: Filler

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
		Hazard Screening is not applicable to this Special Condition

BIOLOGICAL MATERIALS CATEGORY: Plant-based materials

INGREDIENT DESCRIPTION: bamboo fiber, walnut shell

MATERIAL CONTENT NOTES: This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-12-03 1:06:04

%: 1.5000 - 2.5000

GreenScreen: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	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	IARC	Group 2b - Possibly carcinogenic to humans**
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL)
		Colorants - Green Circle (Verified Low Concern)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025
		Cosmetics and Personal Care Products

SUBSTANCE NOTES: Inert mineral fillers, natural fibers, and pigment colorant material inputs for Meganite® Elenite™ Acrylic Solid Surface are encapsulated by the polymerization of monomers and resins during the manufacturing process. In its final form, Meganite® Elenite™ is an article, is nontoxic and non-allergic to humans.

**Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-12-03 08:57:05	
%: 0.0000 - 2.0000	GreenScreen: LT-P1	RC: None	NANO: No	POLYMER ROLE: Curing agent
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
Hazards Screening not applicable for this special condition. See GHS or CLP warnings below.				
POLYMER TYPE: Cure agents				
AVERAGE MOLECULAR WEIGHT : Unknown				
PERCENTAGE OF POLYMER WITH MOLECULAR WEIGHT LESS THAN 500 DA : Unknown				

ADDITIONAL SUBSTANCES CONSIDERED: Yes
GHS HAZARD STATEMENTS: Physical H242, Environmental H411
HAZARD SCREENING COMPLIANCE: Hazard screening data sourced from OSHA and/or EU compliance CLP or SDS, as allowed by HPDC Special Conditions policy for polymers.
POLYMER NOTES: This polymer has been reported in accordance to HPDC Special Conditions Policy for polymers without disclosed CAS numbers.
ADDITIONAL NOTES: Cure agents, when activated, generate free radicals which then initiate the desired polymerization reactions and become incorporated into the acrylic polymer matrix. In its finished form, Meganite® Elenite™ Acrylic Solid Surface is an article, is nontoxic and non-allergic to humans.

Section 3: 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	UL/GreenGuard Certified	
COMPLIANCE TYPE: Third Party CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: UL COMPLIANCE DETAILS: COMPLIANCE SCOPE: Product APPLICABLE FACILITIES: All COMPLIANCE URL: https://www.meganite.com/technical-documents/sustainable-greenguard-solid-surface COMPLIANCE NOTES: Building materials are determined compliant in accordance with an Office environment with an air change of 0.68 hr ⁻¹ and a loading of 3.20 m². Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.	ISSUE DATE: 2007-09-17	EXPIRY DATE: 2026-09-17
VOC EMISSIONS	UL/GreenGuard Gold Certified	
COMPLIANCE TYPE: Third-party certification CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: UL COMPLIANCE DETAILS: COMPLIANCE SCOPE: Product APPLICABLE FACILITIES: All COMPLIANCE URL: https://www.meganite.com/technical-documents/sustainable-greenguard-gold-solid-surface COMPLIANCE NOTES: Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment with an air change of 0.82 hr ⁻¹ and a loading of 12.30 m². ; and Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office Environment with an air change of 0.68 hr ⁻¹ and a loading of 3.20 m². Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.	ISSUE DATE: 2007-09-17	EXPIRY DATE: 2026-09-17

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

Elenite sets a new benchmark for sustainable solid surfaces. It is a durable, nonporous, homogeneous yet stylish material, composed of acrylic resin, natural minerals and nature fibers for added sustainability. It is developed to reduce embedded carbon.

Elenite is well-suited for a range of interior applications, providing an ideal surfacing solution for commercial, shop-fitting, and retail areas.

Since 1976, Meganite® has been making composite-related building materials. Today, intercontinental projects or specifications can be easily coordinated by our product team. Please contact Meganite® for more information.

MANUFACTURER INFORMATION

MANUFACTURER: **Meganite Inc.**
ADDRESS: **1461 South Balboa Ave.**
Ontario, California 91761
COUNTRY: **USA**

WEBSITE: **<https://meganite.com/>**
CONTACT NAME: **Product Management Team**
TITLE: **Product Management**
PHONE: **+1-800-836-1118**
EMAIL: **info@meganite.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-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

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.