

MAPEWRAP 21
by MAPEI Corporation

HPD UNIQUE IDENTIFIER: 93952365
HPD UNIQUE PRODUCT ID: Not provided.
CLASSIFICATION: 03 01 30 Maintenance of Cast-in-Place Concrete
PRODUCT TYPE: Epoxy Flooring (Resinous)
PRODUCT DESCRIPTION: Low-Viscosity, 100%-Solids, Epoxy Resin for Impregnation of MapeWrap Fabrics

SCREENING DATE: 2026-09-02
PUBLISHED DATE: 2026-09-02
EXPIRY DATE: 2029-09-02
PREPARER: Self-Prepared

Health Product
Declaration v3.0
created via: HPDC Online Builder

Section 1: SummaryNested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Residuals/Impurities Evaluation	For all contents above the threshold, the manufacturer has:
→ Nested Materials Method	Completed in 2 of 2 Materials	
Threshold Disclosed Per	Explanation(s) provided for Residuals/Impurities?	Characterized Yes
→ Product	Yes	Provided weight and role.
Threshold Level		Screened Yes
→ 1,000 ppm		Provided screening results using HPDC-approved methods.
		Identified Yes
		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.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
MAPEWRAP 21 PART A [ARALDITE B LT-P1] END | AQU 1,6-HEXANEDIOL DIGLYCIDYL ETHER LT-UNK | SKI FORMALDEHYDE, POLYMER WITH 2-(CHLOROMETHYL)OXIRANE AND PHENOL LT-P1 | MUL] MAPEWRAP 21 PART B [1,3-BENZENEDIMETHANAMINE LT-P1 | SKI | MUL | MAM | EYE FATTY ACIDS, C18-UNSATD., DIMERS, POLYMERS WITH TALL-OIL FATTY ACIDS AND TRIETHYLENETETRAMINE BM-2 | MUL BIS(ISOPROPYL)NAPHTHALENE LT-1 | PBT | CAN | MUL | MAM | AQU STYRENATED PHENOL LT-P1 | MUL TRIETHYLENETETRAMINE LT-P1 | SKI | MUL | MAM | EYE | AQU | REP]

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, LT-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The manufacturer has withheld the identity of certain ingredients as trade secret. To preserve proprietary information, ranges are provided. Product was inventoried down to the 1000 ppm threshold and screened for hazards.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 9Regulatory (g/l): 70
Does the product contain exempt VOCs: No
Are colorants available that do not increase the VOC content of the base paint when tinted: N/A

COMPLIANCE See Section 3 for additional listings.

VOC emissions: SCS Indoor Advantage Gold - Classroom & Office scenario
VOC content: SCAQMD Rule 1168 Adhesive and Sealant Applications - Adhesives for Wood Flooring, Rubber Floor, Ceramic Tile, Multipurpose Construction, Structural Glazing and Contact, as amended 1/7/05

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.
Pre-checked for LEED v4.1 Option 1.
Pre-checked for LEED v5 Human Health 1.

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

MAPEWRAP 21 PART A

%: 75.0000 - 75.0000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Other: PART A

RESIDUALS AND IMPURITIES NOTES: Supplier documentation is used to evaluate residuals and impurities. Residuals and impurities have been considered and determined below the 1000 ppm threshold.

OTHER MATERIAL NOTES: For the most current product information and certification status, including certifications that may have been renewed since publication of this HPD, visit our website www.mapei.com/us or email us Sustainability_USA@mapei.com.

ARALDITE B

ID: 25085-99-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-02 13:24:02

%: 60.0000 - 70.0000

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Binder

HAZARD TYPE

END

LIST NAME AND SOURCE

EU - Priority Endocrine Disruptors

WARNINGS

Category 2 - In vitro evidence of biological activity related to Endocrine Disruption

HAZARD TYPE

AQU

LIST NAME AND SOURCE

GHS - New Zealand

WARNINGS

Hazardous to the aquatic environment - chronic category 2

ADDITIONAL LISTINGS

RESTRICTED LIST

LIST NAME AND SOURCE

International Living Future Institute (ILFI)

NOTIFICATION

Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective July 10, 2026

Red List substances to avoid in Living Building Challenge V4.0 projects

SUBSTANCE NOTES:

1,6-HEXANEDIOL DIGLYCIDYL ETHER

ID: 16096-31-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-02 13:24:03

%: 25.0000 - 30.0000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Diluent

HAZARD TYPE

SKI

LIST NAME AND SOURCE

MAK

WARNINGS

Sensitizing Substance Sh - Danger of skin sensitization

ADDITIONAL LISTINGS

None found

LIST NAME AND SOURCE

NOTIFICATION

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-02 13:24:04

%		10.0000 - 15.0000		GreenScreen:	LT-P1	RC:	None	NANO:	No	SUBSTANCE ROLE:	Binder
HAZARD TYPE		LIST NAME AND SOURCE				WARNINGS					
MUL		German FEA - Substances Hazardous to Waters				Class 2 - Hazard to Waters					
ADDITIONAL LISTINGS		LIST NAME AND SOURCE				NOTIFICATION					
RESTRICTED LIST		Green Science Policy Institute (GSPI)				GSPI - Six Classes Precautionary List					
						Bisphenols and Phthalates					
SUBSTANCE NOTES:											

MAPEWRAP 21 PART B

%: 25.0000 - 25.0000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Other: PART B

RESIDUALS AND IMPURITIES NOTES: Supplier documentation is used to evaluate residuals and impurities. Residuals and impurities have been considered and determined below the 1000 ppm threshold.

OTHER MATERIAL NOTES: For the most current product information and certification status, including certifications that may have been renewed since publication of this HPD, visit our website www.mapei.com/us or email us Sustainability_USA@mapei.com.

1,3-BENZENEDIMETHANAMINE

ID: 1477-55-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-02 13:24:05

50.0000 - 70.0000		GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Curing agent
HAZARD TYPE	LIST NAME AND SOURCE			WARNINGS	
SKI	MAK			Sensitizing Substance Sh - Danger of skin sensitization	
MUL	German FEA - Substances Hazardous to Waters			Class 2 - Hazard to Waters	
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]	
EYE	GHS - Japan			H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]	
SKI	GHS - Japan			H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]	
MAM	GHS - Japan			H331 - Toxic if inhaled [Acute toxicity (inhalation: dust, mist) - Category 3]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE			NOTIFICATION	
None found				No listings found on Additional Hazard Lists	
SUBSTANCE NOTES:					

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-02 13:24:06

%		10.0000 - 30.0000		GreenScreen:	BM-2	RC:	None	NANO:	No	SUBSTANCE ROLE:	Curing agent
HAZARD TYPE		LIST NAME AND SOURCE				WARNINGS					
MUL		German FEA - Substances Hazardous to Waters				Class 2 - Hazard to Waters					
ADDITIONAL LISTINGS		LIST NAME AND SOURCE				NOTIFICATION					
None found		No listings found on Additional Hazard Lists									
SUBSTANCE NOTES:											

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-02 13:24:03

%		3.0000 - 7.0000		GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Viscosity modifier
HAZARD TYPE		LIST NAME AND SOURCE				WARNINGS	
PBT		OSPAR - Priority PBTs & EDs & equivalent concern				PBT - Chemical for Priority Action	
CAN		MAK				Carcinogen Group 1 - Substances that cause cancer in man	
MUL		German FEA - Substances Hazardous to Waters				Class 3 - Severe Hazard to Waters	
CAN		US NIH - Report on Carcinogens				Reasonably Anticipated to be Human Carcinogen	
PBT		WA DoE - PBT				PBT	
PBT		US EPA - Toxics Release Inventory PBTs				PBT	
PBT		OSPAR - Priority PBTs & EDs & equivalent concern				PBT - Substance of Possible Concern	
MAM		GHS - Japan				H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]	
AQU		GHS - Japan				H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]	
AQU		GHS - Japan				H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]	
ADDITIONAL LISTINGS		LIST NAME AND SOURCE				NOTIFICATION	
RESTRICTED LIST		International Living Future Institute (ILFI)				Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective July 10, 2026	
						Red List substances to avoid in Living Building Challenge V4.0 projects	
RESTRICTED LIST		Cradle to Cradle Products Innovation Institute (C2CPII)				C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025	
						All Products	
SUBSTANCE NOTES:							

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-02 13:24:04

%		3.0000 - 7.0000		GreenScreen:	LT-P1	RC:	None	NANO:	No	SUBSTANCE ROLE:	Plasticizer
HAZARD TYPE		LIST NAME AND SOURCE				WARNINGS					
MUL		German FEA - Substances Hazardous to Waters				Class 2 - Hazard to Waters					
ADDITIONAL LISTINGS		LIST NAME AND SOURCE				NOTIFICATION					
None found		No listings found on Additional Hazard Lists									
SUBSTANCE NOTES:											

TRIETHYLENETETRAMINE

ID: **112-24-3**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2026-09-02 13:24:05**

%: 0.1000 - 1.0000		GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Curing agent
HAZARD TYPE	LIST NAME AND SOURCE			WARNINGS	
SKI	MAK			Sensitizing Substance Sh - Danger of skin sensitization	
MUL	German FEA - Substances Hazardous to Waters			Class 2 - Hazard to Waters	
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]	
MAM	GHS - Japan			H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]	
MAM	GHS - New Zealand			Specific target organ toxicity - repeated exposure category 1	
SKI	GHS - New Zealand			Skin corrosion category 1C	
EYE	GHS - New Zealand			Serious eye damage category 1	
EYE	GHS - Japan			H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]	
SKI	GHS - Japan			H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]	
SKI	GHS - Australia			H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]	
SKI	GHS - New Zealand			Skin sensitisation category 1	
AQU	GHS - New Zealand			Hazardous to the aquatic environment - chronic category 2	
REP	GHS - New Zealand			Reproductive toxicity category 2	
AQU	GHS - Japan			H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]	
MAM	GHS - Japan			H311 - Toxic in contact with skin [Acute Toxicity (dermal) - Category 3]	
MAM	GHS - New Zealand			Acute dermal toxicity category 3	
MAM	GHS - Australia			H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE			NOTIFICATION	
None found					
No listings found on Additional Hazard Lists					
SUBSTANCE NOTES:					

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	SCS Indoor Advantage Gold - Classroom & Office scenario	
COMPLIANCE TYPE: Third-party certification	ISSUE DATE: 2026-03-23	EXPIRY DATE: 2029-08-31
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: SCS Global Services		
COMPLIANCE DETAILS:		
COMPLIANCE SCOPE: Product		
APPLICABLE FACILITIES: Covers all North American facilities		
COMPLIANCE URL: https://www.scsglobalservices.com/certified-green-products-guide		
COMPLIANCE NOTES:		
VOC CONTENT	SCAQMD Rule 1168 Adhesive and Sealant Applications - Adhesives for Wood Flooring, Rubber Floor, Ceramic Tile, Multipurpose Construction, Structural Glazing and Contact, as amended 1/7/05	
COMPLIANCE TYPE: Self-declaration	ISSUE DATE: 2026-09-02	EXPIRY DATE: 2029-08-31
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Mapei		
COMPLIANCE DETAILS:		
COMPLIANCE SCOPE: Product		
APPLICABLE FACILITIES: Covers all North American facilities		
COMPLIANCE URL:		
COMPLIANCE NOTES: VOC content information is provided where applicable under SCAQMD Rule 1113 (Architectural Coatings) or Rule 1168 (Adhesives and Sealants). Where "VOC Content - Not Tested" is indicated, the product is outside the scope of these rules. For additional product information, visit our website www.mapei.com/us or email us Sustainability_USA@mapei.com .		

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

The components of Mapewrap 21 are sold as part A and B. This HPD covers both the part A and part B materials using the manufacturer's recommended mixing ratio 75:25.

<https://www.scsglobalservices.com/certified-green-products-guide>



MANUFACTURER INFORMATION

MANUFACTURER: MAPEI Corporation	WEBSITE: https://www.mapei.com/us/en-us/home-page
ADDRESS: 1144 East Newport Drive	CONTACT NAME: MAPEI Sustainability USA
Deerfield Beach, Florida 33442	TITLE: Sustainability
COUNTRY: United States	PHONE: 1-888-876-2734
	EMAIL: Sustainability_USA@MAPEI.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 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.