

**CLASSIFICATION:** 09 65 16.23 Finishes: Vinyl Sheet Flooring

**PRODUCT DESCRIPTION:** Eternal vinyl sheet floor covering has a highly compressed vinyl wear-layer with a high performance urethane top coat. There is a glass fiber inter-layer to ensure dimensional stability and a calendared CDF backing to support the wear-layer. Guage: .080" (2.0mm) Width: 79" (2 meters) Length: 82' (25 meters) Roll Size: 60 yd2 (50 m2)

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

**Characterized**  Yes  No

Percent Weight and Role Provided?

**Screened**  Yes  No

Using Priority Hazard Lists with Results Disclosed?

**Identified**  Yes  No

Name and Identifier Provided?

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**

**ETERNAL SHEET VINYL [ POLYVINYL CHLORIDE (PVC) LT-P1 | RES FATTY ACIDS, C14-22, 2-ETHYLHEXYL ESTERS, EPOXIDIZED NoGS GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED) (GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED)) LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END POLYURETHANE FOAMS LT-UNK BIS(2-ETHYLHEXYL) TEREPHTHALATE BM-3 DIPROPYLENE GLYCOL DIBENZOATE LT-P1 | MUL DOLOMITE NoGS CALCIUM CARBONATE BM-3 ]**

Number of Greenscreen BM-4/BM3 contents ... 2

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

Percentage (%) ranges for ingredients are used as a means of keeping the exact formulations proprietary.

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: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario  
LCA: Environmental Product Declaration (EPD) by UL - Industry Generic

**CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2018-02-14

PUBLISHED DATE: 2018-08-29

EXPIRY DATE: 2021-02-14

## Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

### ETERNAL SHEET VINYL

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are expected to be present in the product at or above the reporting threshold.

OTHER PRODUCT NOTES:

#### POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

%. 47.0000 GS: LT-P1 RC: None NANO: No ROLE: Polymer Binder

HAZARDS: AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

#### FATTY ACIDS, C14-22, 2-ETHYLHEXYL ESTERS, EPOXIDIZED

ID: 95370-96-0

%. 4.4000 GS: NoGS RC: None NANO: No ROLE: Stabilizers Binder & Process Additives

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

#### GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED) (GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED))

ID: 65997-17-3

%. 2.2000 GS: LT-UNK RC: None NANO: No ROLE: Carrier

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

#### TITANIUM DIOXIDE

ID: 13463-67-7

%. 0.4000 GS: LT-1 RC: None NANO: No ROLE: Pigment

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER US CDC - Occupational Carcinogens Occupational Carcinogen

CANCER CA EPA - Prop 65 Carcinogen - specific to chemical form or exposure route

CANCER IARC Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

CANCER MAK Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

CANCER MAK Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: The titanium dioxide (TiO2) is bound within the product, requiring no further labeling. Identified on the US EPA Safer Chemical Ingredient List. Form-specific hazards:

### POLYURETHANE FOAMS

ID: 9009-54-5

%: <b>0.3000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Finish</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Finish contains no Isocyanates.				

### BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

%: <b>0.1000 - 21.0000</b>	GS: <b>BM-3</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Softner Binders</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES:				

### DIPROPYLENE GLYCOL DIBENZOATE

ID: 27138-31-4

%: <b>0.1000 - 21.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Softner Binders</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
SUBSTANCE NOTES:				

### DOLOMITE

ID: 16389-88-1

%: <b>0.1000 - 25.0000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Filler</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES:				

### CALCIUM CARBONATE

ID: 471-34-1

%: <b>0.1000 - 25.0000</b>	GS: <b>BM-3</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Filler</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES:				

## 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	CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario		
CERTIFYING PARTY: <b>Third Party</b>	ISSUE DATE: <b>2014-11-17</b>	EXPIRY DATE:	CERTIFIER OR LAB: <b>Berkeley Analytical</b>
APPLICABLE FACILITIES: <b>All</b>			
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES:			
<b>LCA</b>	<b>Environmental Product Declaration (EPD) by UL - Industry Generic</b>		
CERTIFYING PARTY: <b>Third Party</b>	ISSUE DATE: <b>2013-06-19</b>	EXPIRY DATE: <b>2018-06-19</b>	CERTIFIER OR LAB: <b>UL Environment, Inc.</b>
APPLICABLE FACILITIES: <b>All</b>			
CERTIFICATE URL: <b>chrome-extension://oemmnndcbldboiebfnladdacbdm/https://forbo.blob.core.windows.net/forbodocuments/19694/EPD%20Eternal.pdf</b>			
CERTIFICATION AND COMPLIANCE NOTES:			

## Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

<b>FORBO V 885 ADHESIVE (VOC 0.00 G/L)</b>	HPD URL: <b>No HPD available</b>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Standard recommended adhesive used for installation.	
<b>FORBO 660 ADHESIVE (VOC 12.00 G/L)</b>	HPD URL: <b>No HPD available</b>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Alternate recommended adhesive.	
<b>FORBO ADHESIVE REMOVER</b>	HPD URL: <b>No HPD available</b>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Can be used for adhesive residue removal post installation.	
<b>NEUTRAL PH CLEANER</b>	HPD URL: <b>No HPD available</b>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Can be used for routine cleaning.	
<b>READY TO USE NEUTRAL PH CLEANER</b>	HPD URL: <b>No HPD available</b>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Can be used for routine cleaning.	
<b>FORBO HEAVY DUTY CLEANER</b>	HPD URL: <b>No HPD available</b>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Can be used for interim maintenance.	
<b>FORBO MOP ON RESTORER</b>	HPD URL: <b>No HPD available</b>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Can be used for interim maintenance.	

**FORBO SPRAY BUFF**HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for interim maintenance.

**FORBO MATTE FINISH**HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for interim maintenance.

**FORBO GLOSS FINISH**HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for interim maintenance.

**FORBO WALL BASE**HPD URL: <http://www.forboflooringna.com>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used with Eternal Sheet Vinyl installation using the recommended adhesive.

 **Section 5: General Notes**

Product lines that fall under Eternal Sheet Vinyl are the following: Eternal Material & Eternal Wood. Eternal contains no Isocyanates.

**MANUFACTURER INFORMATION**

MANUFACTURER: **Forbo Flooring Systems**  
 ADDRESS: **8 Maplewood Drive**  
**Hazle Township PA 18202, USA**  
 WEBSITE: **www.forboflooringna.com**

CONTACT NAME: **Shannon Wolski**  
 TITLE: **Product Support and Education Services Administrator**  
 PHONE: **570-450-0319**  
 EMAIL: **shannon.wolski@forbo.com**

**KEY**

**OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet  
**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**Hazard Types**

**AQU** Aquatic toxicity  
**CAN** Cancer  
**DEV** Developmental toxicity  
**END** Endocrine activity  
**EYE** Eye irritation/corrosivity  
**GEN** Gene mutation

**GLO** Global warming  
**MAM** Mammalian/systemic/organ toxicity  
**MUL** Multiple hazards  
**NEU** Neurotoxicity  
**OZO** Ozone depletion  
**PBT** Persistent Bioaccumulative Toxic

**PHY** Physical Hazard (reactive)  
**REP** Reproductive toxicity  
**RES** Respiratory sensitization  
**SKI** Skin sensitization/irritation/corrosivity  
**LAN** Land Toxicity  
**NF** Not found on Priority Hazard Lists

**GreenScreen (GS)**

**BM-4** Benchmark 4 (prefer-safer chemical)  
**BM-3** Benchmark 3 (use but still opportunity for improvement)  
**BM-2** Benchmark 2 (use but search for safer substitutes)  
**BM-1** Benchmark 1 (avoid - chemical of high concern)  
**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**LT-P1** List Translator Possible Benchmark 1  
**LT-1** List Translator Likely Benchmark 1  
**LT-UNK** List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)  
**NoGS** Unknown (no data on List Translator Lists)

**Recycled Types**

**PreC** Preconsumer (Post-Industrial)  
**PostC** Postconsumer  
**Both** Both Preconsumer and Postconsumer  
**Unk** Inclusion of recycled content is unknown  
**None** Does not include recycled content

**Other Terms**

**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.*