Rubber Tile and Rolled Goods
by Ecore International

CLASSIFICATION: 09 06 60
PRODUCT DESCRIPTION: This HPD covers Ecore’s composition rubber rubber tile and rolled goods including Everlast, ECOsurfaces, QT, ECOsilence, UltraTile, EOMax, PlayGuard, SmashTle, Performance, ECOfit, ECOrx, and underlayment.

Section 1: Summary

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
<th>Are All Substances Above the Threshold Indicated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>100 ppm</td>
<td>Considered</td>
<td>Yes</td>
</tr>
<tr>
<td>Basic Method</td>
<td>1,000 ppm</td>
<td>Partially Considered</td>
<td>No</td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td></td>
<td>Not Considered</td>
<td></td>
</tr>
<tr>
<td>Per OSHA MSDS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
-----------|-----------|----------------------|-------------------|----------------|
RUBBER TILE AND ROLLED GOODS: POLYURETHANE LT-UNK, STYRENE BUTADIENE RUBBER (SBR) LT-UNK, ETHYLENE VINYL ACETATE POLYMER (EVA) LT-UNK, WATER BM-4, CLAY NoGS, LIMESTONE; CALCIUM CARBONATE LT-UNK, PEROXIDE, (1,1,4,4-TETRAMETHYLtetramethylene)bis[tert-pentyl ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM) LT-UNK, HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL) LT-1, CAN, MUL BUTANEDIOL ACID, 1,4-DIMETHYL ESTER, POLYMER WITH 4-HYDROXY-2,2,6,6- TETRAMETHYL-1-PIPERIDINEETHANOL LT-UNK, POLY(8-[(1,1,3,3-TETRAMETHYLBUTYL)AMINO]-1,3,5-TRIAZINE-2,4- DIYLI[(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)IMINO]-1,6- HEXANEDIYL[(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)IMINO]) NoGS, TALC BM-1, CAN C.I. PIGMENT BLUE 15 BM-3

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC emissions: RFCI FloorScore
LCA: Environmental Product Declaration (EPD) by SCS
Recycled content: Recycled Content

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: RFCI FloorScore
LCA: Environmental Product Declaration (EPD) by SCS
Recycled content: Recycled Content

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.
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)

### RUBBER TILE AND ROLLED GOODS

**PRODUCT THRESHOLD:** 1000 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** Residuals/impurities in raw materials are measured, and are displayed in the HPD when greater than 1000ppm.

**OTHER PRODUCT NOTES:** Large range in material content is to account for all color options. Colors range from no color (black) to full color.

### POLYURETHANE

<table>
<thead>
<tr>
<th>ID: 64440-88-6</th>
<th>%: 6.3000 - 9.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Binder</th>
</tr>
</thead>
</table>

**HAZARDS:**  
None Found  
**AGENCY(IES) WITH WARNINGS:**  
No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** Binds EPDM and rubber

### STYRENE BUTADIENE RUBBER (SBR)

<table>
<thead>
<tr>
<th>ID: 9003-55-8</th>
<th>%: 4.6000 - 93.0000</th>
<th>GS: LT-UNK</th>
<th>RC: PostC</th>
<th>NANO: No</th>
<th>ROLE: Substrate</th>
</tr>
</thead>
</table>

**HAZARDS:**  
None Found  
**AGENCY(IES) WITH WARNINGS:**  
No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** Primary raw material. Large range in material content is to account for all color options. Colors range from no color (black) to full color.

### ETHYLENE VINYL ACETATE POLYMER (EVA)

<table>
<thead>
<tr>
<th>ID: 24937-78-8</th>
<th>%: 0.5600 - 1.5000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Adhesive</th>
</tr>
</thead>
</table>

**HAZARDS:**  
None Found  
**AGENCY(IES) WITH WARNINGS:**  
No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** Adhesive for fusion bonded products
### WATER

**ID:** 7732-18-5  
**ROLE:** Catalyst  
**NANO:** No  
**GS:** BM-4  
**RC:** None  
**%:** 0.3700 - 4.5000

**HAZARDS:**  
None Found  
AGENCY(IES) WITH WARNINGS:  
No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** Catalyst that starts the polyurethane reaction.

### CLAY

**ID:** 1302-87-0  
**ROLE:** Filler  
**NANO:** No  
**GS:** NoGS  
**RC:** None  
**%:** 0.0000 - 14.0000

**HAZARDS:**  
None Found  
AGENCY(IES) WITH WARNINGS:  
No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** EPDM

### LIMESTONE; CALCIUM CARBONATE

**ID:** 1317-65-3  
**ROLE:** Filler  
**NANO:** No  
**GS:** LT-UNK  
**RC:** None  
**%:** 0.0000 - 41.0000

**HAZARDS:**  
None Found  
AGENCY(IES) WITH WARNINGS:  
No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** EPDM

### PEROXIDE, (1,1,4,4-TETRAMETHYLtetramethylene)bis[tert-Pentyl]

**ID:** 5168-50-3  
**ROLE:** Catalyst  
**NANO:** No  
**GS:** NoGS  
**RC:** None  
**%:** 0.0000 - 1.2500

**HAZARDS:**  
None Found  
AGENCY(IES) WITH WARNINGS:  
No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** EPDM

### ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM)

**ID:** 25038-36-2  
**ROLE:** Substrate  
**NANO:** No  
**GS:** LT-UNK  
**RC:** None  
**%:** 0.0000 - 17.0000

**HAZARDS:**  
None Found  
AGENCY(IES) WITH WARNINGS:  
No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** EPDM
### HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES

**MINERAL OIL**

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000 - 8.9000</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Modifier</td>
</tr>
</tbody>
</table>

**HAZARDS**

<table>
<thead>
<tr>
<th>AGENCY(IES) WITH WARNINGS</th>
<th>H350 - May cause cancer</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU - GHS (H-Statements)</td>
<td>Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man</td>
</tr>
<tr>
<td>EU - REACH Annex XVII CMRs</td>
<td>CMR - Carcinogen, Mutagen &amp;/or Reproductive Toxicant</td>
</tr>
<tr>
<td>EU - Annex VI CMRs</td>
<td>Carcinogen Category 1B - Presumed Carcinogen based on animal evidence</td>
</tr>
<tr>
<td>Australia - GHS</td>
<td>H350 - May cause cancer</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** EPDM

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### BUTANEDIOIC ACID, 1,4-DIMETHYL ESTER, POLYMER WITH 4-HYDROXY-2,2,6,6-TETRAMETHYL-1-PIPERIDINEETHANOL

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000 - 0.4600</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Light Stabilizer</td>
</tr>
</tbody>
</table>

**HAZARDS**

None Found

No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** EPDM

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### POLY((6-((1,1,3,3-TETRAMETHYLBUTYL)AMINO)-1,3,5-TRIAZINE-2,4-DIYL)((2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)IMINO)-1,6-HEXANEDIYL((2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)IMINO))

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000 - 0.4600</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Light Stabilizer</td>
</tr>
</tbody>
</table>

**HAZARDS**

None Found

No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** EPDM

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### TALC

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000 - 0.4300</td>
<td>BM-1</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
</tr>
</tbody>
</table>

**HAZARDS**

<table>
<thead>
<tr>
<th>AGENCY(IES) WITH WARNINGS</th>
<th>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAK</td>
<td></td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** EPDM
C.I. PIGMENT BLUE 15

ID: 147-14-8

%- 0.0000 - 4.1000
GS: BM-3
RC: None
NANO: No
ROLE: Coloring

HAZARDS:
AGENCY|ES WITH WARNINGS:
None Found
No warnings found on HPD Priority lists

SUBSTANCE NOTES: Pigment for EPDM. Various colors of pigment used.
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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>RFCI FloorScore</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY: Third Party</td>
<td>ISSUE DATE: 2017-10-01</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: All</td>
<td>EXPIRY DATE: 2018-09-30</td>
</tr>
<tr>
<td>CERTIFICATE URL: <a href="https://www.scscertified.com/products/cert_pdfs/ECORE_2017_SCS-FS-01793_s2.pdf">https://www.scscertified.com/products/cert_pdfs/ECORE_2017_SCS-FS-01793_s2.pdf</a></td>
<td>CERTIFIER OR LAB: SCS Global Services</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES: Conforms to the CDPH/EHLB Standard Method v1.1-2010 (effective January 1, 2012) for the school classroom and private office parameters when modeled as Flooring.</td>
<td></td>
</tr>
</tbody>
</table>

LCA

<table>
<thead>
<tr>
<th>Environmental Product Declaration (EPD) by SCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY: Third Party</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: All</td>
</tr>
<tr>
<td>CERTIFICATE URL: <a href="http://maxcdn.ecoreintl.com/marketing/ecore/EPD_RubberFlooring_040115.pdf">http://maxcdn.ecoreintl.com/marketing/ecore/EPD_RubberFlooring_040115.pdf</a></td>
</tr>
<tr>
<td>ISSUE DATE: 2015-04-01</td>
</tr>
<tr>
<td>CERTIFIER OR LAB: SCS Global Services</td>
</tr>
</tbody>
</table>

RECYCLED CONTENT

<table>
<thead>
<tr>
<th>Recycled Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY: Self-declared</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: All</td>
</tr>
<tr>
<td>CERTIFICATE URL: <a href="http://maxcdn.ecoreintl.com/marketing/ecosurfaces/leed/LEEDv4_ECOsurfaces.pdf">http://maxcdn.ecoreintl.com/marketing/ecosurfaces/leed/LEEDv4_ECOsurfaces.pdf</a></td>
</tr>
<tr>
<td>ISSUE DATE: 2015-04-19</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES: Recycled content varies by color. Please consult LEED guides for a list of recycled content by product and color.</td>
</tr>
</tbody>
</table>

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.

E GRIP III

| HPD URL: No HPD Available |
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: E-Grip III is a revolutionary zero-VOC adhesive that is used during flooring installation. |

E-CLEANER

| HPD URL: No HPD Available |
This cleaner meets Green Seal™ GS-37 standard. This cleaner can be used for initial, daily, and restorative cleaning.

**ECOGUARD**

A coating that is standard on all ECOsurfaces wear layers (excluding tile products, ECOights). It is a factory-applied maintenance coat that protects the floor from dirt and scuff marks.

**E-FINISH**

E-Finish is a flooring finish. It gives a tough, black-mark resistant shine with no powdering.

**E-STRIP**

E-Strip is used for restorative maintenance when there is noticeable accumulation of dirt and contaminants embedded in the finish. E-Strip removes multiple layers of finish without harsh alkalies and other conventional components. E-Strip is specifically designed to remove E-Finish, but will also remove most conventional metal crosslinked floor polishes.

**Section 5: General Notes**

Large range in material content is to account for all color options. Colors range from no color (black) to full color.
Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Ecore International
ADDRESS: 715 Fountain Ave
Lancaster PA 17601, United States
WEBSITE: 715 Fountain Ave

CONTACT NAME: Dana Davis
TITLE: Marketing Analyst
PHONE: 7178248210
EMAIL: dana.davis@ecoreintl.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/toxicity
MUL Multiple hazards
NEU Neurotoxicity
OZO Ozone depletion
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.