Rubber Tile and Rolled Goods
by Ecore International

HPD UNIQUE IDENTIFIER: 20890
CLASSIFICATION: 09 06 60
PRODUCT DESCRIPTION: This HPD covers Ecore's composition rubber rubber tile and rolled goods including Everlast, ECOSurfaces, Origins, QT, ECOSilence, UltraTile, ECOmax, ECOSmash, PlayGuard, SmashTile, Performance, ECOfit, ECOfit Plus, and underlayment.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold Disclosed Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>Material</td>
</tr>
<tr>
<td>Basic Method</td>
<td>Product</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 ppm</td>
<td>Considered</td>
</tr>
<tr>
<td>1,000 ppm</td>
<td>Partially Considered</td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td>Not Considered</td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

All Substances Above the Threshold Indicated Are:

- Characterized: Yes Ex/SC Yes No
  - Yes: Ex/SC
  - No: Yes

Screened: Yes Ex/SC Yes No
- Yes: Ex/SC
- No: Yes

Identified: Yes Ex/SC Yes No
- Yes: Ex/SC
- No: Yes

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 |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>GREENSCREEN SCORE</td>
<td>HAZARD TYPE</td>
<td></td>
</tr>
<tr>
<td>RUBBER TILE AND ROLLED GOODS</td>
<td>POLYURETHANE LT-UNK WATER BM-4 CLAY NoGS LIMESTONE; CALCULUM CARBONATE LT-UNK PEROXIDE, (1,1,4,4-TETRAMETHYL TETRAMETHYLENE)BIS(TERT-PENTYL NoGS ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM) LT-UNK HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES MINERAL OIL LT-4 CAN MUL BUTANEDIOL ACID, 1,4-DIMETHYL ESTER, POLYMER WITH 4-HYDROXY-2,2,6,6- TETRAMETHYL-1-PIPERIDINEETHANOL LT-UNK POLY((6-(1,1,3,3- TETRAMETHYLBUTYL)AMINO)-1,3,5-TRIAZINE-2,4- DIYL)(2,2,6,6- TETRAMETHYL-4-PERIDINYL)IMINO)-1,6- HEXANEDIYL(2,2,6,6- TETRAMETHYL-4-PERIDINYL)IMINO) NoGS TALC BM-3 CAN C.I. PIGMENT BLUE 15 BM-3 CORK GRANULES NoGS STYRENE BUTADIENE RUBBER (SBR) LT-UNK ETHYLENE VINYL ACETATE POLYMER (EVA) LT-UNK</td>
<td></td>
</tr>
</tbody>
</table>

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

- 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 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-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

**ID:** 64440-88-6

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Substance Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.7500 - 19.8100</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
</tr>
</tbody>
</table>

**Substance Notes:** Binds EPDM and rubber

#### Water

**ID:** 7732-18-5

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Substance Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.6800 - 1.9200</td>
<td>BM-4</td>
<td>None</td>
<td>No</td>
<td>Catalyst</td>
</tr>
</tbody>
</table>

**Substance Notes:** Catalyst that starts the polyurethane reaction.

#### Clay

**ID:** 1302-87-0

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Substance Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000 - 14.0500</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
</tr>
</tbody>
</table>

**Substance Notes:**
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIMESTONE; CALCIUM CARBONATE</td>
<td>1317-65-3</td>
<td>Pharos Chemical and Materials Library</td>
<td>2018-06-22</td>
<td>0.0000 - 48.8600</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
</tr>
<tr>
<td>PEROXIDE, (1,1,4,4-TETRAMETHYLtetramethylene)bis(TERT-PENTYL)</td>
<td>5168-50-3</td>
<td>Pharos Chemical and Materials Library</td>
<td>2018-06-22</td>
<td>0.0000 - 1.1000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Catalyst</td>
</tr>
<tr>
<td>ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM)</td>
<td>25038-36-2</td>
<td>Pharos Chemical and Materials Library</td>
<td>2018-06-22</td>
<td>0.0000 - 15.2700</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Structure component</td>
</tr>
<tr>
<td>HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL)</td>
<td>64742-54-7</td>
<td>Pharos Chemical and Materials Library</td>
<td>2018-06-22</td>
<td>0.0000 - 8.0000</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Impact modifier</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CANCER</td>
<td>EU - GHS (H-Statements)</td>
<td>H350 - May cause cancer</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CANCER</td>
<td>EU - REACH Annex XVII CMRs</td>
<td>Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>ChemSec - SIN List</td>
<td>CMR - Carcinogen, Mutagen &amp;/or Reproductive Toxicant</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - Annex VI CMRs</td>
<td>Carcinogen Category 1B - Presumed Carcinogen based on animal evidence</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CANCER</td>
<td>Australia - GHS</td>
<td>H350 - May cause cancer</td>
<td></td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES: EPDM**

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

ID: 65447-77-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-06-22

Percent: 0.0000 - 0.2000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Heat or UV stabilizer

None found

No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES: EPDM**

**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))**

ID: 71878-19-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-06-22

Percent: 0.0000 - 0.2000

GS: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Heat or UV stabilizer

None found

No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES: EPDM**

**TALC**

ID: 14807-96-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-06-22

Percent: 0.0000 - 0.4500

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Filler

No warnings found on HPD Priority Hazard Lists
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPDM</td>
<td></td>
<td>Pharos Chemical and Materials Library</td>
<td>2018-06-22</td>
<td>0.00</td>
<td>BM-3</td>
<td>None</td>
<td>No</td>
<td>Pigment</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
<tr>
<td>C.I. PIGMENT BLUE 15</td>
<td>147-14-8</td>
<td>Pharos Chemical and Materials Library</td>
<td>2018-06-22</td>
<td>0.00</td>
<td>BM-3</td>
<td>None</td>
<td>No</td>
<td>Pigment</td>
<td>Pigment for EPDM. Various colors of pigment used.</td>
</tr>
<tr>
<td>CORK GRANULES</td>
<td>Not registered</td>
<td>Pharos Chemical and Materials Library</td>
<td>2018-06-22</td>
<td>0.00</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Structure component</td>
<td>Origins only</td>
</tr>
<tr>
<td>STYRENE BUTADIENE RUBBER (SBR)</td>
<td>9003-55-8</td>
<td>Pharos Chemical and Materials Library</td>
<td>2018-06-22</td>
<td>0.00</td>
<td>LT-UNK</td>
<td>PostC</td>
<td>No</td>
<td>Structure component</td>
<td>Primary raw material. Large range in material content is to account for all color options. Colors range from no color (black) to full color.</td>
</tr>
<tr>
<td>ETHYLENE VINYL ACETATE POLYMER (EVA)</td>
<td>24937-78-8</td>
<td>Pharos Chemical and Materials Library</td>
<td>2018-06-22</td>
<td>0.00</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Adhesive</td>
<td></td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>None found</td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-10-01</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2020-09-30</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>SCS Global Services</td>
</tr>
</tbody>
</table>

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.

### LCA

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2020-05-20</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2025-05-19</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>SCS Global Services</td>
</tr>
</tbody>
</table>


### RECYCLED CONTENT

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2015-04-19</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2019-04-19</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>Ecore</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: Recycled content varies by color. Please consult LEED guides for a list of recycled content by product and color.

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

<table>
<thead>
<tr>
<th>HPD URL:</th>
<th>No HPD Available</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>HPD URL:</th>
<th>No HPD Available</th>
</tr>
</thead>
</table>
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, ECOnights). 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.
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

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
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PBT Persistent, bioaccumulative, and toxic
PHY Physical hazard (flammable or reactive)
REP Reproductive
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
UNK Unknown

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 (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
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.)
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.