

CLASSIFICATION: 09 60 00

PRODUCT DESCRIPTION: Galaxy rx is ideal for healthcare, senior living, hospitality, and education applications. Using Ecore's patented itstru technology, Galaxy rx is comprised of premium rubber sheet flooring fusion-bonded to a 5mm Ecore backing made of 90% recycled rubber. The finished product is two layers of rubber designed to reduce the severity of patient or resident injuries while mitigating liability for the owners of facilities. It brings comfort to heavy commercial applications through energy absorption and energy return, improved ergonomics and acoustical benefits.

Section 1: Summary

Nested Method / Material 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

Residuals/Impurities  
Considered in 1 of 3 Materials

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  
**RUBBER BACKING** [ **STYRENE BUTADIENE RUBBER (POST-CONSUMER)**  
**LT-UNK POLYURETHANE** **LT-UNK ETHYLENE/PROPYLENE/DIENE**  
**TERPOLYMER (EPDM)** **LT-UNK WATER** **BM-4** ] **VIRGIN RUBBER WEAR**  
**LAYER** [ **STYRENE BUTADIENE RUBBER (SBR)** **LT-UNK VARIOUS**  
**ADDITIVES** **UNK SILICA, AMORPHOUS** **LT-P1** | **CAN KAOLIN CLAY** **LT-UNK**  
| **CAN** ] **ADHESIVE** [ **ETHYLENE VINYL ACETATE POLYMER (EVA)** **LT-UNK**  
**VINYL ACETATE** **LT-P1** | **CAN** | **END** | **MUL** | **MAM** | **GEN** | **PHY** ]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen  
Benchmark or List translator Score ... LT-P1  
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Not all substances are screened using the Priority Hazard Lists (see Section 1) because the manufacturer of the virgin rubber wear layer did not disclose specifics on the Various Additives in their product. Due to this lack of information, we could not add a CAS Registry Number to be screened.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: California Department of Public Health  
CDPH/EHLB/Standard Method Version 1.1, 2010  
LCA: Environmental Product Declaration  
Recycled content: Recycled Content

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2018-06-20

PUBLISHED DATE: 2018-06-22  
EXPIRY DATE: 2021-06-20



## 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 BACKING

#: 62.4800 - 62.4800

HPD URL: N/A

MATERIAL 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 MATERIAL NOTES: Rubber product backing

#### STYRENE BUTADIENE RUBBER (POST-CONSUMER)

ID: 9003-55-8

#: 78.7100 - 78.7100

GS: LT-UNK

RC: PostC

NANO: No

ROLE: Substrate/primary ingredient for Rubber Backing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Main component in the backing of this product. Mixed with binder, EPDM, and water to form product backing.

#### POLYURETHANE

ID: 64440-88-6

#: 10.4000 - 10.4000

GS: LT-UNK

RC: None

NANO: No

ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Combined with water, EPDM and recycled rubber to form backing.

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

ID: 25038-36-2

#: 9.9000 - 9.9000

GS: LT-UNK

RC: PreC

NANO: No

ROLE: Substrate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Mixed with binder, SBR, and water to form product backing.

**WATER**

ID: 7732-18-5

#: **0.9900 - 0.9900**      GS: **BM-4**      RC: **None**      NANO: **No**      ROLE: **Catalyst that starts the polyurethane reaction**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Combined with binder, EPDM and recycled rubber to form product backing.

**VIRGIN RUBBER WEAR LAYER**#: **24.1900 - 24.1900**

HPD URL: N/A

MATERIAL THRESHOLD: **Other**RESIDUALS AND IMPURITIES CONSIDERED: **No**RESIDUALS AND IMPURITIES NOTES: **Ecore does not manufacture the wear layer and cannot comment on residuals/impurities in this material.**OTHER MATERIAL NOTES: **Product wear layer. Material Inventory Threshold per EPD.****STYRENE BUTADIENE RUBBER (SBR)**

ID: 9003-55-8

#: **40.7000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Base Polymer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Combined with Synthetic Amorphous Silica, kaolin clay, and various additives to form wear layer.

**VARIOUS ADDITIVES**ID: **Undisclosed**

#: **16.5000**      GS: **UNK**      RC: **UNK**      NANO: **No**      ROLE: **Additives**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Various Additives not disclosed by the manufacturer. Combined with SBR, Synthetic Amorphous Silica, and kaolin clay to form wear layer.****SILICA, AMORPHOUS**

ID: 7631-86-9

#: **0.0000 - 42.8000**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**CANCER**

Japan - GHS

Carcinogenicity - Category 1A

SUBSTANCE NOTES: Combined with SBR, kaolin clay, and various additives to form wear layer.

**KAOLIN CLAY**

ID: 1332-58-7

%: **0.0000 - 42.8000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**CANCER****MAK**

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Combined with SBR, Synthetic Amorphous Silica, and various additives to form wear layer.

**ADHESIVE**

%: 13.3300 - 13.3300

HPD URL: N/A

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Ecore does not manufacture the adhesive layer and cannot comment on residuals/impurities in this material.

OTHER MATERIAL NOTES: Adhesive used for fusion bonding the virgin rubber wear layer to the rubber backing

**ETHYLENE VINYL ACETATE POLYMER (EVA)**

ID: 24937-78-8

%: **99.7000 - 100.0000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Primary material/substrate**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Primary ingredient in copolymerization of ethylene and vinyl acetate to create Ethylene-vinyl acetate (EVA) adhesive.

**VINYL ACETATE**

ID: 108-05-4

%: **0.0000 - 0.3000**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**CANCER****IARC**

Group 2b - Possibly carcinogenic to humans

**CANCER****EU - GHS (H-Statements)**

H351 - Suspected of causing cancer

**ENDOCRINE****TEDX - Potential Endocrine Disruptors**

Potential Endocrine Disruptor

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

**CANCER****MAK**

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

**MAMMALIAN**

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

**GENE MUTATION**

New Zealand - GHS

6.6A - Known or presumed human mutagens

**PHYSICAL HAZARD (REACTIVE)****EU - GHS (H-Statements)**

H225 - Highly flammable liquid and vapour



## 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

California Department of  
Public Health  
CDPH/EHLB/Standard  
Method Version 1.1, 2010

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

<http://maxcdn.ecoreintl.com/marketing/rx/leed/Galaxy%20rx%20VOC%20certificate.pdf>

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2015-04-06		Berkeley Analytical

CERTIFICATION AND COMPLIANCE NOTES: **Exposure scenarios were School Classroom and Private Office**

### LCA

### Environmental Product Declaration

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

[http://maxcdn.ecoreintl.com/marketing/ecore/EPD\\_Galaxy-rx\\_060616.pdf](http://maxcdn.ecoreintl.com/marketing/ecore/EPD_Galaxy-rx_060616.pdf)

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-06-06	2021-06-05	SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: **Product Category Rule (PCR) for preparing an Environmental Product Declaration (EPD) for Flooring: Carpet, Resilient, Laminate, Ceramic, Wood. NSF International. Version 2. 2014.**

### RECYCLED CONTENT

### Recycled Content

CERTIFYING PARTY: **Self-declared**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

[http://maxcdn.ecoreintl.com/marketing/rx/leed/LEEDv4\\_Galaxy%20rx.pdf](http://maxcdn.ecoreintl.com/marketing/rx/leed/LEEDv4_Galaxy%20rx.pdf)

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-06-08		Ecore

CERTIFICATION AND COMPLIANCE NOTES: **Galaxy rx is composed of 60% post-consumer recycled content.**

## 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 link provided**

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 link provided**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

This cleaner meets Green Seal™ GS-37 standard. This cleaner can be used for initial, daily, and restorative cleaning.

## WELD ROD

HPD URL: **No HPD link provided**

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Weld Rod is used to during installation to seal the seams between rolls.

## Section 5: General Notes

Not all substances are screened using the Priority Hazard Lists (see Section 1) because the manufacturer of the virgin rubber wear layer did not disclose specifics on the Various Additives in their product. Due to this lack of information, we could not add a CAS Registry Number to be screened.



## MANUFACTURER INFORMATION

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MANUFACTURER: **Ecore International**  
 ADDRESS: **715 Fountain Ave**  
**Lancaster Pennsylvania 17601, United States**  
 WEBSITE: <http://ecoreintl.com/>

CONTACT NAME: **Dana Davis**  
 TITLE: **Marketing Analyst**  
 PHONE: **7178248210**  
 EMAIL: [dana.davis@ecoreintl.com](mailto:dana.davis@ecoreintl.com)

## KEY

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**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

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

### 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.*