Galaxy rx
by Ecore International

Health Product Declaration v2.1

created via: HPDC Online Builder

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

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

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

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

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

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**

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.

Section 6: References

MANUFACTURER INFORMATION

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

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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 (insuficient 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.