

CLASSIFICATION: 09 65 17 Rubber Flooring

PRODUCT DESCRIPTION: Multi-Purpose rubber flooring is a single layer system composed of virgin rubber EPDM granules bound together with a binding agent. The system is mixed and poured on site. Multi-purpose is a resilient system that offers sound dampening properties, has a high coefficient of friction making it a non-slip surface, and is available in a variety of colors and custom designs. When used on rooftops in light colors such as grey and beige, the system has a high SRI and can reduce the heat island effect.

Section 1: Summary

Nested Method

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 2 of 2 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

EPDM [**ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM)** **LT-UNK**]
ALIPHATIC BINDER [**POLY[OXY(METHYL-1,2-ETHANEDIYL)], _-HYDRO-_-HYDROXY-, POLYMER WITH 1,1'-METHYLENEBIS[4-ISOCYANATOCYCLOHEXANE]** **LT-UNK** **1,1'-METHYLENEBIS(4-ISOCYANATOCYCLOHEXANE)** **LT-UNK** | SKI | EYE | MAM | RES
DIBUTYLTIN DILAURATE **LT-1** | PBT | GEN | REP | MAM | MUL | END | CAN | DEL]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen
Benchmark or List translator Score ... LT-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): Regulatory (g/l):
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: N/A

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

Other: ADA Compliant
Other: Coefficient of Friction
Other: Solar Reflective Index

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2018-04-15

PUBLISHED DATE: 2018-04-15

EXPIRY DATE: 2021-04-15



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

EPDM	%: 80.0000 - 100.0000	HPD URL:
PRODUCT THRESHOLD: Other	RESIDUALS AND IMPURITIES CONSIDERED: Yes	
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered.		
OTHER MATERIAL NOTES: EPDM virgin rubber granules are available in a variety of colors.		
ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM)		ID: 25038-36-2
%: 100.0000	GS: LT-UNK	RC: None NANO: No ROLE: EPDM rubber granules are bound together with a binding agent to form a rubber floor
HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	
SUBSTANCE NOTES: Available in a variety of colors.		

ALIPHATIC BINDER	%: 15.0000 - 20.0000	HPD URL:
PRODUCT THRESHOLD: Other	RESIDUALS AND IMPURITIES CONSIDERED: Yes	
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered.		
OTHER MATERIAL NOTES:		
POLY[OXY(METHYL-1,2-ETHANEDIYL)], _-HYDRO-_-HYDROXY-, POLYMER WITH 1,1'-METHYLENEBIS[4-ISOCYANATOCYCLOHEXANE]		ID: 9042-82-4
%: 80.0000 - 90.0000	GS: LT-UNK	RC: UNK NANO: No ROLE: Part of the binder
HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	
SUBSTANCE NOTES: Main ingredient in aliphatic binder.		
1,1'-METHYLENEBIS(4-ISOCYANATOCYCLOHEXANE)		ID: 5124-30-1

%: 10.0000 - 20.0000

GS: LT-UNK

RC: UNK

NANO: No

ROLE: Part of the binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

MAMMALIAN

EU - GHS (H-Statements)

H331 - Toxic if inhaled

RESPIRATORY

EU - GHS (H-Statements)

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

SUBSTANCE NOTES: Small part of the binder.

DIBUTYLTIN DILAURATE

ID: 77-58-7

%: 1.0000 - 5.0000

GS: LT-1

RC: UNK

NANO: No

ROLE: Catalyst

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

OSPAR - Priority PBTs & EDs & equivalent concern

PBT - Chemical for Priority Action

GENE MUTATION

EU - GHS (H-Statements)

H341 - Suspected of causing genetic defects

REPRODUCTIVE

EU - GHS (H-Statements)

H360FD - May damage fertility. May damage the unborn child

ORGAN TOXICANT

EU - GHS (H-Statements)

H372 - Causes damage to organs through prolonged or repeated exposure

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

ENDOCRINE

ChemSec - SIN List

Endocrine Disruption

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

CANCER

MAK

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

DEVELOPMENTAL

MAK

Pregnancy Risk Group B

REPRODUCTIVE

Japan - GHS

Toxic to reproduction - Category 1B

REPRODUCTIVE

EU - Annex VI CMRs

Reproductive Toxicity - Category 1B

SUBSTANCE NOTES: Catalyst for polyurethane binder.

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.

OTHER	ADA Compliant		
CERTIFYING PARTY: Second Party	ISSUE DATE: 2010-	EXPIRY DATE:	CERTIFIER OR LAB: Testing
APPLICABLE FACILITIES: All	03-12		Services Inc
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Rubberway Multi-purpose meets/exceeds ADA requirements.			

OTHER	Coefficient of Friction		
CERTIFYING PARTY: Second Party	ISSUE DATE: 2008-	EXPIRY DATE:	CERTIFIER OR LAB: Testing
APPLICABLE FACILITIES: All	06-02		Services Inc
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Rubberway Multi-Purpose has a high coefficient of friction (0.76 dry, 0.56 wet) and is a non-slip surface.			

OTHER	Solar Reflective Index		
CERTIFYING PARTY: Second Party	ISSUE DATE: 2012-	EXPIRY DATE:	CERTIFIER OR LAB: QAI
APPLICABLE FACILITIES: All	04-13		Laboratories
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Rubberway Multi-Purpose in light colors such as gray and beige have a high solar reflective index (SRI) and can help combat the heat island effect. The SRI of when gray is used is 31.			

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.

No accessories are required for this product.

Section 5: General Notes

The Rubberway Multi-Purpose system is available using EPDM in a variety of colors. A variety of different binders are available for use as well, with the binder in this HPD being the most widely used.



MANUFACTURER INFORMATION

MANUFACTURER: **USSA**

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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 (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.