

HPD UNIQUE IDENTIFIER: 21128

CLASSIFICATION: 09 65 66

PRODUCT DESCRIPTION: Survivor SportFloor systems, including Big Chip, are a collection of premium, competitive rubber flooring products. Rolls project an impressive statement for upscale fitness centers and clubs while delivering a tough, durable and easy to maintain solution as well as exceptional sound insulation and impact absorption. Survivor SportFloor tiles, which include Square, Interlocking, Eco-Lock and Mega deliver the extreme durability needed to withstand the rigors and punishment of a free weight area. They are perfect for small gyms and workout areas. Additional CSI MasterFormat numbers include 09 65 16.33 Rubber Sheet Flooring; 09 65 19.33 Rubber Tile Flooring.

Section 1: Summary

Nested Method / Product 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
- Other

Residuals/Impurities

Residuals/Impurities Considered in 4 of 4 Materials

Explanation(s) provided for Residuals/Impurities?
 Yes No

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No

% weight and role provided for all substances except SC substances characterized according to SC guidance.

Screened Yes Ex/SC Yes No

All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.

Identified Yes Ex/SC Yes No

All substances disclosed by Name (Specific or Generic) and Identifier except SC substances identified according to SC guidance.

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

POST CONSUMER RECYCLED CRUMB RUBBER [**CARBON BLACK** **LT-1** | **CAN STYRENE-BUTADIENE COPOLYMERS** **LT-UNK** **EXTRACTS (PETROLEUM)**, **HEAVY PARAFFINIC DISTILLATE SOLVENT** **LT-1** | **PBT** | **CAN** | **MUL** **OCTADECANOIC ACID, ZINC SALT** **LT-P1** **SULFUR, ELEMENTAL** **LT-UNK** | **SKI** **1,4-BENZENEDIAMINE, N-(1,3-DIMETHYLBUTYL)-N'-PHENYL-** **LT-P1** | **MUL** | **SKI** **2-BENZOTHAZOLESULFENAMIDE, N-CYCLOHEXYL-** **LT-P1** | **AQU** | **SKI** | **MUL** | **REP** **POLYBUTADIENE** **LT-UNK** **TALC** **BM-1** | **CAN** **LEAD** **LT-1** | **DEL** | **CAN** | **PBT** | **REP** | **MUL** | **END** | **GEN** **BICYCLO[2.2.1]HEPT-2-ENE, 5-ETHYLIDENE-, POLYMER WITH ETHENE AND 1-PROPENE** **LT-UNK**] **ECOLASTIC EPDM COLOURED GRANULES** [**BICYCLO[2.2.1]HEPT-2-ENE, 5-ETHYLIDENE-, POLYMER WITH ETHENE AND 1-PROPENE** **LT-UNK**] **BINDER T-424** [**BENZENE, 1-ISOCYANATO-2-[(4-ISOCYANATOPHENYL)METHYL]-** **LT-UNK** | **MUL** | **SKI** | **EYE** | **RES** | **CAN** **4,4'-METHYLENEDIPHENYL DIISOCYANATE** **LT-UNK** | **RES** | **MUL** | **SKI** | **EYE** | **CAN** **BENZENE, 1,1'-METHYLENEBIS[2-ISOCYANATO-** **LT-UNK** | **MUL** | **SKI** | **EYE** | **RES** | **CAN**] **SC: BIO:NATURAL RUBBER** [**SC:NATURAL RUBBER** **Not Screened**]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... **BM-1**
 Nanomaterial ... Yes

INVENTORY AND SCREENING NOTES:

Special conditions applied: BiologicalMaterial

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

This HPD is based on industry-standard data for the chemical composition of the post-consumer recycled content crumb rubber from tires and for determining the possible impurities and residuals of individual substances with the product. Pharaoh's database of common materials was used to determine the material content of the post-consumer recycled content of the crumb rubber from used tires. Since the true chemical content is unknown this data was used as the basis for the raw material. For the residual and impurities, the toxnet database was used. This database is based on peer-reviewed journal articles and scientific studies. It details known impurities in materials studied. The actual materials used by U.S. Rubber have not been evaluated or tested therefore the impurities listed may or may not be in the actual finished product.

This HPD contains one biobased material in the post-consumer recycled rubber from tires:

"SpecialConditionApplied:Biological Material"

SC: Bio

Category=Tree-based materials. Latex is harvested from the rubber tree.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
 No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: **2019-06-20**

PUBLISHED DATE: **2020-07-28**

EXPIRY DATE: **2022-06-20**



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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

POST CONSUMER RECYCLED CRUMB RUBBER

#: 74.4850 - 74.4850

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED:
Yes

MATERIAL TYPE: Polymeric
Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were screened using the toxnet database and were considered based on the material's post-consumer recycled status. The two biggest concerns for impurities are lead from the tire coming in contact with the roadway and nanoparticles in carbon black.

OTHER MATERIAL NOTES: Percentages by weight are based on the Pharos database for common ingredients "Crumb Rubber (from tire scrap). The actual material may differ due to the fact that this is 100% post consumer recycled tires therefore the exact mix of tire brands and their subsequent exact chemistry is unknown.

CARBON BLACK

ID: 1333-86-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-06-20

#: 27.0000 - 40.0000

GS: LT-1

RC: PostC

NANO: Yes

SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Percentages by weight are based on the Pharos database for common ingredients "Crumb Rubber (from tire scrap). The actual material may differ due to the fact that this is 100% post consumer recycled tires therefore the exact mix of tire brands and their subsequent exact chemistry is unknown.

STYRENE-BUTADIENE COPOLYMERS

ID: 9003-55-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-06-20

#: 1.0000 - 49.9990

GS: LT-UNK

RC: PostC

NANO: No

SUBSTANCE ROLE: Polymer species

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percentages by weight are based on the Pharos database for common ingredients "Crumb Rubber (from tire scrap). The actual material may differ due to the fact that this is 100% post consumer recycled tires therefore the exact mix of tire brands and their subsequent exact chemistry is unknown.

EXTRACTS (PETROLEUM), HEAVY PARAFFINIC DISTILLATE SOLVENT

ID: 64742-04-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-20**

#: **1.0000 - 20.0000** GS: **LT-1** RC: **PostC** NANO: **No** SUBSTANCE ROLE: **Solvent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PBT	EU - ESIS PBT	Under PBT evaluation
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: Percentages by weight are based on the Pharos database for common ingredients "Crumb Rubber (from tire scrap). The actual material may differ due to the fact that this is 100% post consumer recycled tires therefore the exact mix of tire brands and their subsequent exact chemistry is unknown.

OCTADECANOIC ACID, ZINC SALT

ID: 557-05-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-20**

#: **1.0000 - 6.0000** GS: **LT-P1** RC: **PostC** NANO: **No** SUBSTANCE ROLE: **Diluent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percentages by weight are based on the Pharos database for common ingredients "Crumb Rubber (from tire scrap). The actual material may differ due to the fact that this is 100% post consumer recycled tires therefore the exact mix of tire brands and their subsequent exact chemistry is unknown.

SULFUR, ELEMENTAL

ID: 7704-34-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-20**

#: **0.9000 - 4.7000** GS: **LT-UNK** RC: **PostC** NANO: **No** SUBSTANCE ROLE: **Accelerator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation

SUBSTANCE NOTES: Percentages by weight are based on the Pharos database for common ingredients "Crumb Rubber (from tire scrap). The actual material may differ due to the fact that this is 100% post consumer recycled tires therefore the exact mix of tire brands and their subsequent exact chemistry is unknown.

1,4-BENZENEDIAMINE, N-(1,3-DIMETHYLBUTYL)-N'-PHENYL-

ID: 793-24-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-20**

#: **0.8000 - 2.0000** GS: **LT-P1** RC: **PostC** NANO: **No** SUBSTANCE ROLE: **Antioxidant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Percentages by weight are based on the Pharos database for common ingredients "Crumb Rubber (from tire scrap). The actual material may differ due to the fact that this is 100% post consumer recycled tires therefore the exact mix of tire brands and their subsequent exact chemistry is unknown.

2-BENZOTHIAZOLESULFENAMIDE, N-CYCLOHEXYL-

ID: 95-33-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-20**

#: **0.2000 - 2.0000** GS: **LT-P1** RC: **PostC** NANO: **No** SUBSTANCE ROLE: **Accelerator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES: Percentages by weight are based on the Pharos database for common ingredients "Crumb Rubber (from tire scrap). The actual material may differ due to the fact that this is 100% post consumer recycled tires therefore the exact mix of tire brands and their subsequent exact chemistry is unknown.

POLYBUTADIENE

ID: 9003-17-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-20**

%: **0.0990 - 40.0000** GS: **LT-UNK** RC: **PostC** NANO: **No** SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percentages by weight are based on the Pharos database for common ingredients "Crumb Rubber (from tire scrap). The actual material may differ due to the fact that this is 100% post consumer recycled tires therefore the exact mix of tire brands and their subsequent exact chemistry is unknown.

TALC ID: **14807-96-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-06-20**

%: **0.0990 - 5.0000** GS: **BM-1** RC: **PostC** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Percentages by weight are based on the Pharos database for common ingredients "Crumb Rubber (from tire scrap). The actual material may differ due to the fact that this is 100% post consumer recycled tires therefore the exact mix of tire brands and their subsequent exact chemistry is unknown.

LEAD ID: **7439-92-1**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-06-20**

%: **Impurity/Residual** GS: **LT-1** RC: **PostC** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
DEVELOPMENTAL	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
CANCER	US EPA - IRIS Carcinogens	(1986) Group B2 - Probable human Carcinogen
CANCER	IARC	Group 2a - Agent is probably Carcinogenic to humans
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
PBT	US EPA - Priority PBTs (NWMP)	Priority PBT
PBT	WA DoE - PBT	PBT
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen

PBT	US EPA - Toxics Release Inventory PBTs	PBT
REPRODUCTIVE	EU - SVHC Authorisation List	Toxic to reproduction - Candidate list
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
REPRODUCTIVE	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity
REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
DEVELOPMENTAL	EU - GHS (H-Statements)	H362 - May cause harm to breast-fed children
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
REPRODUCTIVE	Korea - GHS	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1A
GENE MUTATION	MAK	Germ Cell Mutagen 3a
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A
DEVELOPMENTAL	Australia - GHS	H360Df - May damage the unborn child. Suspected of damaging fertility

SUBSTANCE NOTES: Percentages by weight are based on the Pharos database for common ingredients "Crumb Rubber (from tire scrap). The actual material may differ due to the fact that this is 100% post consumer recycled tires therefore the exact mix of tire brands and their subsequent exact chemistry is unknown.

BICYCLO[2.2.1]HEPT-2-ENE, 5-ETHYLIDENE-, POLYMER WITH ETHENE AND 1-PROPENE

ID: 25038-36-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-20**

#: **0.0000 - 1.0000**

GS: **LT-UNK**

RC: **PostC**

NANO: **No**

SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percentages by weight are based on the Pharos database for common ingredients "Crumb Rubber (from tire scrap). The actual material may differ due to the fact that this is 100% post consumer recycled tires therefore the exact mix of tire brands and their subsequent exact chemistry is unknown.

ECOLASTIC EPDM COLOURED GRANULES %: 20.0000 - 20.0000

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered using the toxnet database. This database is based on general information obtained through scientific study and peer-reviewed journal articles. The actual raw material has not been tested therefore the impurities may or may not be present in the finished product.

OTHER MATERIAL NOTES:

BICYCLO[2.2.1]HEPT-2-ENE, 5-ETHYLIDENE-, POLYMER WITH ETHENE AND 1-PROPENE

ID: 25038-36-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-06-20

%: 0.1000 - 99.0000

GS: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Polymer species

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Residuals and impurities were considered using the toxnet database. This database is based on general information obtained through scientific study and peer-reviewed journal articles. The actual raw material has not been tested therefore the impurities may or may not be present in the finished product.

BINDER T-424

%: 5.5000 - 5.5000

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered using the toxnet database. This database is based on general information obtained through scientific study and peer-reviewed journal articles. The actual raw material has not been tested therefore the impurities may or may not be present in the finished product.

OTHER MATERIAL NOTES:

BENZENE, 1-ISOCYANATO-2-[(4-ISOCYANATOPHENYL)METHYL]-

ID: 5873-54-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-06-20

%: 10.0000 - 25.0000

GS: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Monomer

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
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
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage

SUBSTANCE NOTES: Residuals and impurities were considered using the toxnet database. This database is based on general information obtained through scientific study and peer-reviewed journal articles. The actual raw material has not been tested therefore the impurities may or may not be present in the finished product.

4,4'-METHYLENEDIPHENYL DIISOCYANATE

ID: 101-68-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-20**

#: **10.0000 - 20.0000**

GS: **LT-UNK**

RC: **UNK**

NANO: **No**

SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
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
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: Residuals and impurities were considered using the toxnet database. This database is based on general information obtained through scientific study and peer-reviewed journal articles. The actual raw material has not been tested therefore the impurities may or may not be present in the finished product.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-20**

#: **0.0000 - 2.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
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
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage

SUBSTANCE NOTES: Residuals and impurities were considered using the toxnet database. This database is based on general information obtained through scientific study and peer-reviewed journal articles. The actual raw material has not been tested therefore the impurities may or may not be present in the finished product.

SC: BIO: NATURAL RUBBER

#: **1.0000 - 30.0000**

PRODUCT THRESHOLD: **100 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: "Derivation: From latex obtained from Hevea trees, coagulated with acetic or formic acid. Also made synthetically. [Lewis, R.J., Sr (Ed.). Hawley's Condensed Chemical Dictionary. 13th ed. New York, NY: John Wiley & Sons, Inc. 1997., p. 976]" (HSDB) "Latex is the material exuded by a rubber tree. Once it has been collected in a cup or other container, it is called field latex. It continues to be referred to as field latex until it reaches a factory for processing." (FAO, Processing of Natural Rubber <http://ecoport.org/ep?SearchType=earticleView&earticleId=644&page=-2>)

OTHER MATERIAL NOTES: SpecialConditionApplied:BiologicalMaterial --- This is part of the 100% post-consumer recycled tire rubber. This has been separated out because it is a biological material and needs to follow the Special Conditions set forth by HPD.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-20**%: **0.0000 - 100.0000**GS: **Not Screened**RC: **Both**NANO: **Unknown**SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23**Category: Tree-based materials****Identifier: 9006-04-6**

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

"Derivation: From latex obtained from Hevea trees, coagulated with acetic or formic acid. Also made synthetically. [Lewis, R.J., Sr (Ed.). Hawley's Condensed Chemical Dictionary. 13th ed. New York, NY: John Wiley & Sons, Inc. 1997., p. 976]" (HSDB)

"Latex is the material exuded by a rubber tree. Once it has been collected in a cup or other container, it is called field latex. It continues to be referred to as field latex until it reaches a factory for processing." (FAO, Processing of Natural Rubber <http://ecoport.org/ep?SearchType=earticleView&earticleId=644&page=-2>)

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

CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2019-06-20**

EXPIRY DATE:

CERTIFIER OR LAB: **U.S. Rubber Recycling Inc.**

APPLICABLE FACILITIES: **VOC emissions are not facility-specific.**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Conducted in general accordance with the emission testing guidelines specified under ASTM D 5116-10. Specific testing parameters and VOC emission limits were based on the California Department of Public Health (CDPH) Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Test Chambers Version 1.1 (Section 01350). Results: Predicted airborne concentrations of acetaldehyde and phenol, as well as all other CDPH compounds, in both a classroom and private office environment, are compliant with the specified California Office of Environmental Health Hazard Assessment (OEHHA) 1/2 CREL limit. This is equal to the v1.2 less than .05 mg/m3.**

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.

SURVIVOR GRIP ADHESIVE

HPD URL: **No HPD link provided**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

No HPD available.

Section 5: General Notes

This HPD is based on industry-standard data for the chemical composition of the post-consumer recycled content crumb rubber from tires and for determining the possible impurities and residuals of individual substances with the product. Pharoah's database of common materials was used to determine the material content of the post-consumer recycled content of the crumb rubber from used tires. Since the true chemical content is unknown this data was used as the basis for the raw material. For the residual and impurities, the toxnet database was used. This database is based on peer-reviewed journal articles and scientific studies. It details known impurities in materials studied. The actual materials used by U.S. Rubber have not been evaluated or tested therefore the impurities listed may or may not be in the actual finished product.



MANUFACTURER INFORMATION

MANUFACTURER: **US Rubber**
 ADDRESS: **1231 South Lincoln Street**
Colton California 92324, USA
 WEBSITE: **www.usrubber.com**

CONTACT NAME: **Jeff Baldassari**
 TITLE: **General Manager**
 PHONE: **1-833-877-8223**
 EMAIL: **info@usrubber.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	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	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.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
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)	

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.