

CLASSIFICATION: 09650

PRODUCT DESCRIPTION: Roppe ESD Rubber Static Control Tile is a vulcanized rubber flooring product designed to prevent electrostatic discharge (ESD) related damage throughout its entire thickness and is free of coatings. Roppe ESD Rubber helps dissipate unwanted static electricity from the body in areas where static discharge can damage sensitive equipment and electronics or cause ignition of combustible materials. When wearing conductive footwear, ESD Rubber provides greater mobility in areas that require static dissipation. Roppe's ESD Rubber Static Control Tile formulation is screened according to current authoritative lists and does not contain any chemicals contained in the Living Future Institute's Red List (Living Building Challenge, Imperative 10), substances of very high concern (SVHC) on the REACH candidate list, or substances restricted under REACH.

Section 1: Summary

Basic 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
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

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.

Screened Yes Ex/SC Yes No

All substances screened using Priority Hazard Lists with results disclosed.

Identified Yes Ex/SC Yes No

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow 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

ROPPE ESD RUBBER STATIC CONTROL TILE [RUBBER, NITRILE] LT-UNK
KAOLIN CLAY LT-UNK | **CAN SILICA GEL (PRECIPITATED SILICA)** LT-UNK
UNDISCLOSED LT-P1 | **MUL UNDISCLOSED** LT-UNK **UNDISCLOSED** LT-UNK **UNDISCLOSED** BM-1 | RES | AQU | MUL
UNDISCLOSED LT-P1 | **END UNDISCLOSED** LT-UNK **UNDISCLOSED** NoGS
UNDISCLOSED LT-UNK **UNDISCLOSED** LT-P1 | AQU | SKI | EYE | MUL
UNDISCLOSED LT-UNK **UNDISCLOSED** LT-P1 | **MUL UNDISCLOSED** LT-1 |
CAN | END UNDISCLOSED BM-2 | **CAN UNDISCLOSED** LT-1 | **CAN]**

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Percentages (%) provided as ranges to protect proprietary information.

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: RFCI FloorScore® IAQ Certified

Multi-attribute: NSF/ANSI 332 Resilient Flooring: Gold

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes

PREPARER: Self-Prepared

VERIFIER:

SCREENING DATE: 2019-01-14

PUBLISHED DATE: 2020-05-06



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

ROPPE ESD RUBBER STATIC CONTROL TILE

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: There are no known residuals or impurities.

OTHER PRODUCT NOTES: None.

RUBBER, NITRILE

ID: 9005-98-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-14

#: 26.00 - 38.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Polymer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: None

KAOLIN CLAY

ID: 1332-58-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-14

#: 25.00 - 37.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Mineral Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

MAK

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

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

SILICA GEL (PRECIPITATED SILICA)

ID: 112926-00-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-14

#: 18.00 - 30.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Mineral Filler

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

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-14**

#: **4.00 - 5.50** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Electrostatic Dissipative Agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-14**

#: **3.00 - 4.50** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Process Aid**

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

SUBSTANCE NOTES: **None.**

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-14**

#: **1.50 - 3.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Process Aid**

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

SUBSTANCE NOTES: **None.**

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-14**

%: **1.00 - 1.80**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Process Aid**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **None.**

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-01-14**

%: **0.80 - 2.00**

GS: **BM-1**

RC: **None**

NANO: **No**

ROLE: **Process Aid**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

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

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-01-14**

%: **0.80 - 2.00**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Process Aid**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-01-14**

%: **0.80 - 2.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Process Aid**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **None.**

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-01-14**

#: **0.80 - 2.00**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Process Aid**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **None.**

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-01-14**

#: **0.50 - 1.50**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Process Aid**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **None.**

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-01-14**

#: **0.50 - 1.50**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Process Aid**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CHRON AQUATIC

EU - GHS (H-Statements)

H411 - Toxic to aquatic life with long lasting effects

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

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: **Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.**

UNDISCLOSED

%: **0.20 - 1.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Process Aid**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **None.****UNDISCLOSED**%: **0.01 - 0.04**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Process Aid**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE**German FEA - Substances Hazardous to Waters****Class 2 - Hazard to Waters**

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

UNDISCLOSED%: **0.00 - 12.00**GS: **LT-1**RC: **None**NANO: **No**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****ENDOCRINE****TEDX - Potential Endocrine Disruptors****Potential Endocrine Disruptor****CANCER****MAK****Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value****CANCER****MAK****Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels**

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

UNDISCLOSED

%: **0.00 - 6.00** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

UNDISCLOSED

%: **0.00 - 4.00** GS: **LT-1** RC: **None** NANO: **No** 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: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

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

RFCI FloorScore® IAQ Certified

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All.**

CERTIFICATE URL: https://roppe.com/wp-content/uploads/2017/02/RoppeFloorScore_RubberFlooringAndTread.pdf

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2018-07-01	2019-06-30	SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: RFCI FloorScore® Indoor Air Quality (IAQ) Certification is in compliance with CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom and private office parameters when modeled as Flooring. Registration # SCS-FS-02235.

MULTI-ATTRIBUTE

NSF/ANSI 332 Resilient Flooring: Gold

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All.**

CERTIFICATE URL:
https://www.scs-certified.com/products/cert_pdfs/Roppe_2017_SCS-RF-04162_s.pdf

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-09-30	2019-09-30	SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: NSF/ANSI 332 is a voluntary, multi-attribute standard that evaluates the environmental and social impacts of resilient flooring products. Qualification of certification under this standard requires conformance to criteria including product design, product manufacturing, long-term value, end of life management, corporate governance, and innovation. Roppe ESD Rubber Static Control Tile has been certified to the Gold level of NSF/ANSI 332. Registration # SCS-RF-04162

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.

EXCELSIOR ASD-800

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

ASD-800 is an acrylic wet-set adhesive specifically designed for permanent indoor installation of ESD vinyl and rubber flooring materials. ASD-800 is water-based, low VOC and solvent free. ASD-800 is RFCI FloorScore® Indoor Air Quality (IAQ) certified by SCS Global Services, indicating compliance with CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April, 2017, for the school classroom, private office, and single-family residence parameters when modeled as flooring (Registration # SCS-FS-02963, valid from March 1, 2018 to February 28, 2019, Certificate URL: https://www.scs-certified.com/products/cert_pdfs/RHC_2018_SCS-FS-02963_s.pdf). Technical Data Sheet URL: http://excelsiorproducts.net/wp-content/uploads/2017/01/Excelsior_ASD-800_DataSheet.pdf

EXCELSIOR USD-810

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

USD-810 is a two-part, solvent-free urethane adhesive used for the permanent installation of ESD vinyl and rubber flooring products. USD-810 is low VOC and solvent-free, yet is highly aggressive and cured to a flexible, ESD film for superior adhesion. USD-810 is RFCI FloorScore® Indoor Air Quality (IAQ) certified by SCS Global Services, indicating compliance with CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April, 2017, for the school classroom, private office, and single-family residence parameters when modeled as flooring (Registration # SCS-FS02963, valid from March 1, 2018 to February 28, 2019, Certificate URL:

https://www.scs-certified.com/products/cert_pdfs/RHC_2018_SCS-FS-02963_s.pdf). Technical Data Sheet URL:

http://excelsiorproducts.net/wp-content/uploads/2017/01/Excelsior_USD-810_DataSheet.pdf

Section 5: General Notes

Roppe's ESD Rubber Static Control Tile formulation is screened according to current authoritative lists and does not contain any chemicals contained in the Living Future Institute's Red List (Living Building Challenge, Imperative 10), substances of very high concern (SVHC) on the REACH candidate list, or substances restricted under REACH. Ingredients designated "Undisclosed" are kept confidential to protect proprietary information. Hazards shown in this Health Product Declaration may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substances, whereas the end product is a solid vulcanized rubber flooring part.



MANUFACTURER INFORMATION

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

GreenScreen (GS)

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