

CLASSIFICATION: 09 68 13 Tile Flooring

PRODUCT DESCRIPTION: Modular cushion back tile manufactured in the UK.

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

All substances disclosed by Name (Specific or Generic) and Identifier.

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

FINE DETAIL | LIMESTONE, CALCIUM CARBONATE (CALCIUM CARBONATE) LT-UNK **NYLON 6 LT-UNK** **NYLON 6,6 (POLY[IMINO(1,6-DIOXO-1,6-HEXANEDIYL)IMINO-1,6-HEXANEDIYL]) LT-UNK** **RESIDUES (PETROLEUM), THERMAL CRACKED VACUUM (BITUMEN) NoGS** **POLYURETHANE FOAMS LT-UNK** **POLYETHYLENE TEREPHTHALATE (PET) LT-UNK** **ALUMINUM HYDROXIDE, DRIED (PRIMARY CASRN IS 21645-51-2) (ALUMINUM HYDROXIDE) BM-2 | RES** **2,4-TOLUENE DIISOCYANATE (2,4-TDI) (TOLUENE DIISOCYANATE) LT-1 | RES | CAN | MUL | SKI | EYE | MAM** **SULFONATED POLYAMIDE NoGS** **VINYL ACETATE LT-P1 | CAN | PHY | END | MUL | MAM | GEN** **1-PROPANESULFONIC ACID, 2-METHYL-2-((1-OXO-2-PROPENYL)AMINO)-(9CI) LT-UNK** **GLYCIDYL METHACRYLATE (2-PROPENOIC ACID, 2-METHYL-, OXIRANYLMETHYL ESTER) LT-1 | SKI | EYE | CAN | REP | MUL** **ACRYLIC ACID LT-P1 | AQU | SKI | MUL** **ETHYLENE LT-UNK | PHY | CAN** **1,4-BENZENEDICARBOXYLIC ACID, POLYMER WITH HEXAHYDRO-2H-AZEPIN-2-ONE AND 2-METHYLOXIRANE POLYMER WITH OXIRANE BIS(2-AMINOPROPYL) ETHER NoGS** **2,6-TOLUENE DIISOCYANATE (2,6 TDI) LT-1 | CAN | MUL | SKI | EYE | MAM | RES** **CARBON BLACK LT-1 | CAN** **POLYPROPYLENE LT-UNK** **PHOSPHORUS BM-2 | PHY | MAM** **HEXAMETHYLENE DIISOCYANATE HOMOPOLYMER (HDI HOMOPOLYMER) (HEXANE, 1,6-DIISOCYANATO-, HOMOPOLYMER) LT-P1** **2-MERCAPTOETHANOL LT-P1 | MUL** **2-PROPENOIC ACID, 2-[METHYL[(NONAFLUOROBUTYL)SULFONYL]AMINO]ETHYL ESTER (TSCA, NDSL) NoGS** **(POLYETHYLENE-ACRYLIC ACID) COPOLYMER (2-PROPENOIC ACID, POLYMER WITH ETHENE) LT-UNK** **TRIETHYL PHOSPHATE (TEP) (PHOSPHORIC ACID, TRIETHYL ESTER) LT-UNK** **PHOSPHORIC ACID, TRIETHYL ESTER, POLYMER WITH OXIRANE AND PHOSPHOROUS LT-P1 | MUL** **1,1'-ISOPROPYLIDENE BIS(P-PHENYLENEOXY)DIPROPAN-2-OL (2-PROPANOL, 1,1'-[(1-METHYLETHYLIDENE) BIS(4,1-PHENYLENEOXY)]BIS-) LT-P1 | MUL** **TITANIUM DIOXIDE LT-1 | CAN | END** **DIPROPYLENE GLYCOL (PROPANOL, OXYBIS-) LT-UNK** **POLY[OXY(METHYL-1,2-ETHANEDIYL)],**

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Inventory was given by all suppliers to 100ppm

ALPHA-BUTYL-Omega-HYDROXY- LT-UNK POLYETHYLENE GLYCOL (POLY(OXY-1,2-ETHANEDIYL), alpha-HYDRO-omega-HYDROXY-) LT-UNK AMINES, TALLOW ALKYL, ETHOXYLATED LT-P1 | MUL ANTIMONY TRIOXIDE BM-1 | CAN | MUL POLYSORBATE 20 (PRIMARY CASRN IS 9005-64-5) (SORBITAN, MONODODECANOATE, POLY(OXY-1,2-ETHANEDIYL) DERIVS.) LT-UNK POLYMETHYLENE POLYPHENYL ISOCYANATE (PRIMARY CASRN IS 9016-87-9) LT-UNK | RES | MUL | CAN 2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER, POLYMER WITH METHYL 2-METHYL-2-PROPENOATE LT-UNK ISOCYANIC ACID, POLYMETHYLENEPOLYPHENYLENE ESTER, POLYMER WITH 2-METHYLOXIRANE POLYMER WITH OXIRANE ETHER WITH 1,2,3-PROPANETRIOL (3:1) NoGS 1,3-PROPANEDIOL, 2,2-DIMETHYL- LT-UNK 3-(HYDROXYPIVALOYLOXY)-2,2-DIMETHYLPROPANOL (PROPANOIC ACID, 3-HYDROXY-2,2-DIMETHYL-, 3-HYDROXY-2,2-DIMETHYLPROPYL ESTER) LT-UNK CAPROLACTAM LT-UNK | SKI | EYE METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (4,4'-METHYLENEDIPHENYL DIISOCYANATE) LT-UNK | RES | MUL | SKI | EYE | CAN 2-PROPENOIC ACID, POLYMER WITH 1-PROPENE LT-UNK (2-{2-[(3-AMINOPROPYL) (METHYL)AMINO]ETHOXY}ETHYL)DIMETHYLAMINE NoGS 1,2-DIMETHYLIMIDAZOLE (1H-IMIDAZOLE, 1,2-DIMETHYL-) LT-P1 | SKI | EYE | MUL 3-(DIMETHYLAMINO)PROPYLUREA LT-UNK | EYE 1-METHYL-1,2-ETHANEDIYL 9-OCTADECENOATE (9-OCTADECENOIC ACID (Z)-, 1-METHYL-1,2-ETHANEDIYL ESTER) NoGS BIS(2-(DIMETHYLAMINO)ETHYL) ETHER (ETHANAMINE, 2,2'-OXYBIS[N,N-DIMETHYL-) LT-P1 | MUL DIPHENYL ISODECYL PHOSPHITE (PHOSPHOROUS ACID, ISODECYL DIPHENYL ESTER) LT-P1 | MUL 1,4-DIMETHYLPYPERAZINE LT-UNK PROPANAMIDE, 3-(DIMETHYLAMINO)-N,N-DIMETHYL- NoGS SILOXANE POLYALKYLENEOXIDE COPOLYMER (SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED, ETHOXYLATED PROPOXYLATED) NoGS TIN OXIDE LT-UNK HYDROCARBONS, C6-20, POLYMERS, HYDROGENATED LT-UNK POLYETHYLENE LT-UNK METHACRYLIC ACID (2-PROPENOIC ACID, 2-METHYL-) LT-UNK | SKI AMMONIUM PERSULFATE LT-P1 | RES | PHY | SKI | EYE (HYDROLYSIS PRODUCTS OF SULFATED CASTOR OIL), SODIUM SALTS LT-UNK BUTYL ACRYLATE LT-UNK | SKI | EYE AMIDES, C8-18 AND C18-UNSATD., N,N-BIS(HYDROXYETHYL) LT-P1 | MUL POLY(OXY-1,2-ETHANEDIYL), ALPHA-(4-(1-PHENYLETHYL)PHENYL)-OMEGA-HYDROXY- LT-P1 | MUL 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH ETHYL 2-PROPENOATE, N-(HYDROXYMETHYL)-2-PROPENAMIDE AND 2-PROPENAMIDE LT-UNK POLYBUTYLENE TEREPHTHALATE NoGS SODIUM DODECYLPOLY(OXYETHYLENE) SULFATE (POLY(OXY-1,2-ETHANEDIYL), alpha-SULFO-omega-(DODECYLOXY)-, SODIUM SALT) LT-P1 3,3'-THIOBISPROPANOIC ACID, DIOCTADECYL ESTER (PROPANOIC ACID, 3,3'-THIOBIS-, DIOCTADECYL ESTER) LT-UNK DIPHENYLMETHANE-2,4'-DIISOCYANATE (2,4'-MDI) (BENZENE, 1-ISOCYANATO-2-[(4-ISOCYANATOPHENYL)METHYL]-) LT-UNK | MUL | SKI | EYE | RES | CAN DIOCTYL SODIUM SULFOSUCCINATE (BUTANEDIOIC ACID, SULFO-, 1,4-BIS(2-ETHYLHEXYL) ESTER, SODIUM SALT) LT-P1 | MUL 2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH BUTYL 2-PROPENOATE AND ETHYL 2-PROPENOATE LT-UNK PPG-6 C9-11 PARETH-5 (ALCOHOLS, C9-11-ISO-, C10-RICH, ETHOXYLATED PROPOXYLATED) NoGS ACRYLONITRILE -METHYL-METHACRYLATE -VINYLIDENE CHLORIDE COPOLYMER (PHENOL, 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH 2,2'-[(1-METHYLETHYLIDENE) BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS[OXIRANE]) LT-P1 | END 1,3,5-TRIMETHYL-2,4,6-TRIS(3,5-DI-TERT-BUTYL-4-HYDROXYBENZYL) BENZENE LT-UNK FATTY ACIDS, C16-18 (PRIMARY CASRN IS 67701-03-5) LT-UNK STEARIC ACID LT-P1 | END PEG-15 COCOATE (FATTY ACIDS, COCO, ETHOXYLATED) LT-UNK POLYPROPYLENE GLYCOL (POLY[OXY(METHYL-1,2-ETHANEDIYL)], alpha-HYDRO-omega-HYDROXY-) LT-UNK PROPYLENE GLYCOL BM-2 | END POLOXANLENE (OXIRANE, METHYL-, POLYMER WITH OXIRANE) LT-UNK SODIUM ALKYL BENZENE SULFONATE (BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS) LT-P1 | MUL BUTANEDIOIC ACID, SULFO-, 1,4-BIS(1,3-DIMETHYLBUTYL) ESTER, SODIUM SALT LT-UNK C.I. PIGMENT BLUE 15 BM-3 ANTHRA[2,1,9-DEF:6,5,10-D'E'F'] DIISOQUINOLINE-1,3,8,10(2H,9H)-TETRONE, 2,9-BIS(3,5-DIMETHYLPHENYL)- LT-P1 POLYACRYLIC ACID, SODIUM SALT LT-UNK POLYOXYETHYLENE ISOTRIDE CYL ETHER (POLY(OXY-1,2-ETHANEDIYL), alpha-ISOTRIDE CYL-omega-HYDROXY-) LT-UNK 1-OCTADECANOL LT-UNK FATTY ACIDS, C8-18 AND C18-UNSATD., ETHOXYLATED PROPOXYLATED LT-UNK]

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: CRI Green Label Plus - Carpets

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: **2019-12-18**

PUBLISHED DATE: **2019-12-19**

EXPIRY DATE: **2022-12-18**



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

FINE DETAIL

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: All residuals and impurities were considered during the supplier engagement on disclosure of ingredients.

OTHER PRODUCT NOTES:

LIMESTONE, CALCIUM CARBONATE (CALCIUM CARBONATE)

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-18

#: 35.15 - 42.42

GS: LT-UNK

RC: None

NANO: No

ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

NYLON 6

ID: 25038-54-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-18

#: 19.49

GS: LT-UNK

RC: PreC

NANO: No

ROLE: Fiber/Backing

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

NYLON 6,6 (POLY[IMINO(1,6-DIOXO-1,6- HEXANEDIYL)IMINO-1,6-HEXANEDIYL])

ID: 32131-17-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-18

#: 14.58

GS: LT-UNK

RC: PreC

NANO: No

ROLE: Fiber

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

RESIDUES (PETROLEUM), THERMAL CRACKED VACUUM (BITUMEN)

ID: 92062-05-0

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

HAZARD SCREENING DATE: **2019-12-18**

#: **12.47** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Backing**

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

SUBSTANCE NOTES:

POLYURETHANE FOAMS

ID: 9009-54-5

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

HAZARD SCREENING DATE: **2019-12-18**

#: **9.99** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Cushion**

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

SUBSTANCE NOTES:

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

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

HAZARD SCREENING DATE: **2019-12-18**

#: **3.91 - 5.31** GS: **LT-UNK** RC: **Both** NANO: **No** ROLE: **Backing**

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

SUBSTANCE NOTES:

ALUMINUM HYDROXIDE, DRIED (PRIMARY CASRN IS 21645-51-2) (ALUMINUM HYDROXIDE)

ID: 227961-51-5

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

HAZARD SCREENING DATE: **2019-12-18**

#: **3.59 - 5.34** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Backing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**

%: **3.54** GS: **LT-1** RC: **Both** NANO: **No** ROLE: **Cushion**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
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
MAMMALIAN	EU - GHS (H-Statements)	H330 - Fatal if inhaled
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
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
RESPIRATORY	MAK	Sensitizing Substance Sa - Danger of airway sensitization
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances

SUBSTANCE NOTES:

SULFONATED POLYAMIDE

ID: 222173-52-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**

%: **2.86** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Additive**

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

SUBSTANCE NOTES:

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **2.17** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Backing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
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	GHS - New Zealand	6.6A - Known or presumed human mutagens

SUBSTANCE NOTES:

1-PROPANESULFONIC ACID, 2-METHYL-2-((1-OXO-2-PROPENYL)AMINO)-(9CI)

ID: 15214-89-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **2.16** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Backing**

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

SUBSTANCE NOTES:

GLYCIDYL METHACRYLATE (2-PROPENOIC ACID, 2-METHYL-, OXIRANYLMETHYL ESTER)

ID: 106-91-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **2.16** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Backing**

HAZARD TYPE	AGENCY AND LIST TITLES	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
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	GHS - Japan	Carcinogenicity - Category 1B [H350]
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B
CANCER	GHS - Australia	H350 - May cause cancer
REPRODUCTIVE	GHS - Australia	H360F - May damage fertility

SUBSTANCE NOTES:

ACRYLIC ACID

ID: 79-10-7

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

HAZARD SCREENING DATE: **2019-12-18**

#: **2.16** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Backing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

ETHYLENE

ID: 74-85-1

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

HAZARD SCREENING DATE: **2019-12-18**

#: **2.16** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Backing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H220 - Extremely flammable gas
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

1,4-BENZENEDICARBOXYLIC ACID, POLYMER WITH HEXAHYDRO-2H-AZEPIN-2-ONE AND 2-METHYLOXIRANE POLYMER WITH OXIRANE BIS(2-AMINOPROPYL) ETHER

ID: 97953-26-9

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

HAZARD SCREENING DATE: **2019-12-18**

#: **1.98**

GS: **NoGS**

RC:

None

NANO:

No

ROLE:

Fiber/Backing

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

SUBSTANCE NOTES:

2,6-TOLUENE DIISOCYANATE (2,6 TDI)

ID: 91-08-7

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

HAZARD SCREENING DATE: **2019-12-18**

#: **1.42**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
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
MAMMALIAN	EU - GHS (H-Statements)	H330 - Fatal if inhaled
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
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
RESPIRATORY	MAK	Sensitizing Substance Sa - Danger of airway sensitization
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances

SUBSTANCE NOTES:

CARBON BLACK

ID: 1333-86-4

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

HAZARD SCREENING DATE: **2019-12-18**

#: **1.40**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Colorant**

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:

POLYPROPYLENE

ID: 9003-07-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.86 - 1.55**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Backing**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

PHOSPHORUS

ID: 7723-14-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.57**GS: **BM-2**RC: **None**NANO: **No**ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H228 - Flammable solid

MAMMALIAN

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

SUBSTANCE NOTES:

HEXAMETHYLENE DIISOCYANATE HOMOPOLYMER (HDI HOMOPOLYMER) (HEXANE, 1,6-DIISOCYANATO-, HOMOPOLYMER)

ID: 28182-81-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.50**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

2-MERCAPTOETHANOL

ID: 60-24-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.50**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES:

2-PROPENOIC ACID, 2-[METHYL[(NONAFLUOROBUTYL)SULFONYL]AMINO]ETHYL ESTER (TSCA, NDSL)

ID: 67584-55-8

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.50** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

(POLYETHYLENE-ACRYLIC ACID) COPOLYMER (2-PROPENOIC ACID, POLYMER WITH ETHENE)

ID: 9010-77-9

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.46 - 0.57** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

TRIETHYL PHOSPHATE (TEP) (PHOSPHORIC ACID, TRIETHYL ESTER)

ID: 78-40-0

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.43** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

PHOSPHORIC ACID, TRIETHYL ESTER, POLYMER WITH OXIRANE AND PHOSPHOROUS

ID: 184538-58-7

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.43** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

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

SUBSTANCE NOTES:

1,1'-ISOPROPYLIDENEBIS(P-PHENYLENEOXY)DIPROPAN-2-OL (2-PROPANOL, 1,1'-[(1-METHYLETHYLIDENE) BIS(4,1-PHENYLENEOXY)]BIS-)

ID: 116-37-0

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

HAZARD SCREENING DATE: **2019-12-18**

%: **0.36** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additive**

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

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

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

HAZARD SCREENING DATE: **2019-12-18**

%: **0.33** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Colorant**

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:

DIPROPYLENE GLYCOL (PROPANOL, OXYBIS-)

ID: 25265-71-8

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

HAZARD SCREENING DATE: **2019-12-18**

%: **0.29** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

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

SUBSTANCE NOTES:

POLY[OXY(METHYL-1,2-ETHANEDIYL)], .ALPHA.-BUTYL-.OMEGA.-HYDROXY-

ID: 9003-13-8

%: **0.29** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

POLYETHYLENE GLYCOL (POLY(OXY-1,2-ETHANEDIYL), α -HYDRO- ω -HYDROXY-)ID: **25322-68-3**%: **0.29** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

AMINES, TALLOW ALKYL, ETHOXYLATEDID: **61791-26-2**%: **0.28** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

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

SUBSTANCE NOTES:

ANTIMONY TRIOXIDEID: **1309-64-4**%: **0.28** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	GHS - Japan	Carcinogenicity - Category 1B [H350]

SUBSTANCE NOTES:

POLYSORBATE 20 (PRIMARY CASRN IS 9005-64-5) (SORBITAN, MONODODECANOATE, POLY(OXY-1,2-ETHANEDIYL) DERIVS.)

ID: 1646144-25-3

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.28**

GS: **LT-UNK**

RC:

None

NANO:

No

ROLE:

Additive

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

SUBSTANCE NOTES:

POLYMETHYLENE POLYPHENYL ISOCYANATE (PRIMARY CASRN IS 9016-87-9)

ID: 247940-58-5

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.25 - 0.45**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Cushion**

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
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:

2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER, POLYMER WITH METHYL 2-METHYL-2-PROPENOATE

ID: 25685-29-4

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.22 - 0.27**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

ISOCYANIC ACID, POLYMETHYLENEPOLYPHENYLENE ESTER, POLYMER WITH 2-METHYLOXIRANE POLYMER WITH OXIRANE ETHER WITH 1,2,3-PROPANETRIOL (3:1)

ID: 58228-05-0

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.19 - 0.38**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Cushion**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

1,3-PROPANEDIOL, 2,2-DIMETHYL-

ID: 126-30-7

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.18**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

3-(HYDROXYPIVALOYLOXY)-2,2-DIMETHYLPROPANOL (PROPANOIC ACID, 3-HYDROXY-2,2-DIMETHYL-, 3-HYDROXY-2,2-DIMETHYLPROPYL ESTER)

ID: 1115-20-4

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.18**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**

%: **Impurity/Residual** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES:

METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (4,4'-METHYLENEDIPHENYL DIISOCYANATE)

ID: 101-68-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**

%: **0.16 - 0.30** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

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:

2-PROPENOIC ACID, POLYMER WITH 1-PROPENE

ID: 25214-24-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**

%: **0.14 - 0.17** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

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

(2-{2-[(3-AMINOPROPYL)(METHYL)AMINO]ETHOXY}ETHYL)DIMETHYLAMINE

ID: 189253-72-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-12-18		
%: 0.14	GS: NoGS	RC: None	NANO: No	ROLE: Additive
SUBSTANCE NOTES:				

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

1,2-DIMETHYLIMIDAZOLE (1H-IMIDAZOLE, 1,2-DIMETHYL-)

ID: 1739-84-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-12-18		
%: 0.14	GS: LT-P1	RC: None	NANO: No	ROLE: Additive
SUBSTANCE NOTES:				

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SUBSTANCE NOTES:		

3-(DIMETHYLAMINO)PROPYLUREA

ID: 31506-43-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-12-18		
%: 0.14	GS: LT-UNK	RC: None	NANO: No	ROLE: Additive
SUBSTANCE NOTES:				

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
SUBSTANCE NOTES:		

1-METHYL-1,2-ETHANEDIYL 9-OCTADECENOATE (9-OCTADECENOIC ACID (Z)-, 1-METHYL-1,2-ETHANEDIYL ESTER)

ID: 105-62-4

%: **0.14**GS: **NoGS**

RC:

None

NANO:

No

ROLE:

Additive

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

BIS(2-(DIMETHYLAMINO)ETHYL) ETHER (ETHANAMINE, 2,2'-OXYBIS[N,N-DIMETHYL-])ID: **3033-62-3**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.14**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

SUBSTANCE NOTES:

DIPHENYL ISODECYL PHOSPHITE (PHOSPHOROUS ACID, ISODECYL DIPHENYL ESTER)ID: **26544-23-0**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.14**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

SUBSTANCE NOTES:

1,4-DIMETHYLPIPERAZINEID: **106-58-1**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.14**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

PROPANAMIDE, 3-(DIMETHYLAMINO)-N,N-DIMETHYL-

ID: 17268-47-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**

%: 0.14	GS: NoGS	RC: None	NANO: No	ROLE: Additive
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

SILOXANE POLYALKYLENEOXIDE COPOLYMER (SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED, ETHOXYLATED PROPOXYLATED)

ID: 64365-23-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**

%: 0.14	GS: NoGS	RC: None	NANO: No	ROLE: Additive
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

TIN OXIDE

ID: 18282-10-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**

%: 0.14	GS: LT-UNK	RC: None	NANO: No	ROLE: Additive
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

HYDROCARBONS, C6-20, POLYMERS, HYDROGENATED

ID: 69430-35-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**

%: 0.08 - 0.10	GS: LT-UNK	RC: None	NANO: No	ROLE: Additive
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

POLYETHYLENE

ID: 9002-88-4

%: **0.08** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

METHACRYLIC ACID (2-PROPENOIC ACID, 2-METHYL-)ID: **79-41-4**%: **0.08** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKIN IRRITATION**EU - GHS (H-Statements)****H314 - Causes severe skin burns and eye damage**

SUBSTANCE NOTES:

AMMONIUM PERSULFATEID: **7727-54-0**%: **0.08** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY**AOEC - Asthmagens****Asthmagen (G) - generally accepted****PHYSICAL HAZARD (REACTIVE)****EU - GHS (H-Statements)****H272 - May intensify fire; oxidiser****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****RESPIRATORY****MAK****Sensitizing Substance Sah - Danger of airway & skin sensitization**

SUBSTANCE NOTES:

(HYDROLYSIS PRODUCTS OF SULFATED CASTOR OIL), SODIUM SALTSID: **68187-76-8**%: **0.08** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

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

SUBSTANCE NOTES:

BUTYL ACRYLATE

ID: 141-32-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2019-12-18			
%: 0.08	GS: LT-UNK	RC: None	NANO: No	ROLE: Additive

HAZARD TYPE	AGENCY AND LIST TITLES	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
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

AMIDES, C8-18 AND C18-UNSATD., N,N-BIS(HYDROXYETHYL)

ID: 68155-07-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2019-12-18			
%: 0.08	GS: LT-P1	RC: None	NANO: No	ROLE: Additive

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

SUBSTANCE NOTES:

POLY(OXY-1,2-ETHANEDIYL), ALPHA-(4-(1-PHENYLETHYL)PHENYL)-OMEGA-HYDROXY-

ID: 32171-27-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2019-12-18			
%: 0.08	GS: LT-P1	RC: None	NANO: No	ROLE: Additive

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

SUBSTANCE NOTES:

2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH ETHYL 2-PROPENOATE, N-(HYDROXYMETHYL)-2-PROPENAMIDE AND 2-PROPENAMIDE

ID: 30394-81-1

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.07 - 0.11**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

POLYBUTYLENE TEREPHTHALATE

ID: 26062-94-2

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.07**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

SODIUM DODECYLPOLY(OXYETHYLENE) SULFATE (POLY(OXY-1,2-ETHANEDIYL), α -SULFO- ω -(DODECYLOXY)-, SODIUM SALT)

ID: 9004-82-4

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.07 - 0.11**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

3,3'-THIOBISPROPANOIC ACID, DIOCTADECYL ESTER (PROPANOIC ACID, 3,3'-THIOBIS-, DIOCTADECYL ESTER)

ID: 693-36-7

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.07 - 0.08**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

DIPHENYLMETHANE-2,4'- DIISOCYANATE (2,4'-MDI) (BENZENE, 1-ISOCYANATO-2-[(4-ISOCYANATOPHENYL)METHYL]-)

ID: 5873-54-1

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.06 - 0.15** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

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:

DIOCTYL SODIUM SULFOSUCCINATE (BUTANEDIOIC ACID, SULFO-, 1,4-BIS(2-ETHYLHEXYL) ESTER, SODIUM SALT)

ID: 577-11-7

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.06 - 0.09** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additive**

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

SUBSTANCE NOTES:

2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH BUTYL 2-PROPENOATE AND ETHYL 2-PROPENOATE

ID: 31069-81-5

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.05 - 0.11** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

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

SUBSTANCE NOTES:

PPG-6 C9-11 PARETH-5 (ALCOHOLS, C9-11-ISO-, C10-RICH, ETHOXYLATED PROPOXYLATED)

ID: 154518-36-2

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.04 - 0.07**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

ACRYLONITRILE -METHYL-METHACRYLATE -VINYLIDENE CHLORIDE COPOLYMER (PHENOL, 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH 2,2'-[(1-METHYLETHYLIDENE) BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS[OXIRANE])

ID: 25036-25-3

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.04 - 0.05**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

EU - Priority Endocrine Disruptors

Category 1 - In vivo evidence of Endocrine Disruption Activity

SUBSTANCE NOTES:

1,3,5-TRIMETHYL-2,4,6-TRIS(3,5-DI-TERT-BUTYL-4-HYDROXYBENZYL) BENZENE

ID: 1709-70-2

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.03 - 0.04**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

FATTY ACIDS, C16-18 (PRIMARY CASRN IS 67701-03-5)

ID: 2135640-81-0

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.03**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

STEARIC ACID

ID: 57-11-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.03 - 0.03**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

SUBSTANCE NOTES:

PEG-15 COCOATE (FATTY ACIDS, COCO, ETHOXYLATED)

ID: 61791-29-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.02**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

POLYPROPYLENE GLYCOL (POLY[OXY(METHYL-1,2-ETHANEDIYL)], α -HYDRO- ω -HYDROXY-)

ID: 25322-69-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.01 - 2.01**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Backing**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

PROPYLENE GLYCOL

ID: 57-55-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.01 - 0.02**GS: **BM-2**RC: **None**NANO: **No**ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

SUBSTANCE NOTES:

POLOXANLENE (OXIRANE, METHYL-, POLYMER WITH OXIRANE)

ID: 9003-11-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.01** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

SODIUM ALKYL BENZENE SULFONATE (BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS)

ID: 68411-30-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.01** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES:

BUTANEDIOIC ACID, SULFO-, 1,4-BIS(1,3-DIMETHYLBUTYL) ESTER, SODIUM SALT

ID: 2373-38-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.01** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

C.I. PIGMENT BLUE 15

ID: 147-14-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-18**%: **0.01** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

ANTHRA[2,1,9-DEF:6,5,10-D'E'F'] DIISOQUINOLINE-1,3,8,10(2H,9H)-TETRONE, 2,9-BIS(3,5-DIMETHYLPHENYL)-

ID: 4948-15-6

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.01** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additive**

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

SUBSTANCE NOTES:

POLYACRYLIC ACID, SODIUM SALT

ID: 9003-04-7

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.01 - 0.02** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

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

SUBSTANCE NOTES:

POLYOXYETHYLENE ISOTRIDECYL ETHER (POLY(OXY-1,2-ETHANEDIYL), α -ISOTRIDECYL- ω -HYDROXY-)

ID: 9043-30-5

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.00 - 0.04** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

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

SUBSTANCE NOTES:

1-OCTADECANOL

ID: 112-92-5

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

HAZARD SCREENING DATE: **2019-12-18**

#: **0.00 - 0.51** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

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

SUBSTANCE NOTES:

FATTY ACIDS, C8-18 AND C18-UNSATD., ETHOXYLATED PROPOXYLATED

ID: 96873-84-6

#: **0.00 - 0.06**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

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

CRI Green Label Plus - Carpets

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2009-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **The Carpet**

APPLICABLE FACILITIES: **Europe**

01-09

12-31

and Rug Institute

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

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

All inventory of substances was given by our suppliers to 100ppm.



MANUFACTURER INFORMATION

MANUFACTURER: **Milliken**

ADDRESS: **Beech Hill Plant**

Gidlow Lane

Wigan Wigan WN6 8RN, United Kingdom

WEBSITE: <https://floors.milliken.com>

CONTACT NAME: **Kate Burnett**

TITLE: **Strategic Marketing Manager**

PHONE: **+44 1942 612750**

EMAIL: kate.burnett@milliken.com

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.