

CLASSIFICATION: 09 67 23

PRODUCT DESCRIPTION: SHOP FLOOR IS A SOLID COLOR SEAMLESS FLOORING SYSTEM CONSISTING OF 100% SOLIDS EPOXY AND NATURAL QUARTZ AGGREGATES WITH A CHEMICAL AND WEAR-RESISTANT TOPCOAT.



Section 1: Summary

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold Level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

Residuals and impurities considered in all materials

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | **SUBSTANCE** GREENSCREEN SCORE HAZARD TYPE;

QUARTZ LT - 1 CAN; PHENOL, 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH (CHLOROMETHYL)OXIRANE LT - P1 MUL | EYE | SKI | AQU; BENZENEMETHANOL LT - UNK DEV | MAM; OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS. LT - UNK SKI; ISOPHORONE DIAMINE LT - P1 MUL | SKI | AQU | MAM; DIHYDROGEN OXIDE BM - 4 ; UNNAMED SUBSTANCE NOGS ; HEXANE, 1,6-DIISOCYANATO-, HOMOPOLYMER LT - UNK ; TITANIUM DIOXIDE LT - 1 CAN; PHOSPHOROUS ACID, TRIPHENYL ESTER LT - P1 MUL | EYE | AQU | SKI; 2-METHYL-1,5-PENTAMETHYLENEDIAMINE NOGS ; PROPANOL, 1(OR 2)-(2-METHOXYMETHYLETHOXY)-, ACETATE LT - UNK ; ALUMINUM OXIDE LT - 1 CAN | RES; BENZOIC ACID, 2-HYDROXY- LT - UNK ; DISTILLATES, PETROLEUM, HYDROTREATED LIGHT LT - UNK CAN; 1,3,3-TRIMETHYL-N-(2-METHYLPROPYLIDENE)-5-[(2-METHYLPROPYLIDENE)AMINO]CYCLOHEXANEMETHYLAMINE LT - UNK ; CARBONIC ACID, DIMETHYL ESTER LT - UNK PHY; 1,3-DIOXOLAN-2-ONE, 4-METHYL- LT - UNK EYE;

Number of GreenScreen® BM-4/BM-3 contents: 1

Contents highest concern GreenScreen® Benchmark or List Translator Score: LT - 1

Nanomaterial: No contents are characterized as a nanomaterial

INVENTORY AND SCREENING NOTES

This HPD was created with Basic Inventory.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0
 Regulatory (g/l): 0
 Does the product contain exempt VOCs? No
 Are ultra-low VOC tints available? Not Applicable

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings***CONSISTENCY WITH OTHER PROGRAMS**

No screening results.

Third Party Verified?

- Yes
 No

PREPARER:

VERIFIER:

VERIFICATION #:

SCREENING DATE: 8/16/2017

PUBLISHED DATE: 8/16/2017

EXPIRY DATE: 8/16/2020

**Section 2: Content in Descending Order of Quantity**

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

DUR-A-FLEX - SHOP FLOOR

PRODUCT THRESHOLD: 1,000ppm

RESIDUALS AND IMPURITIES CONSIDERED: Considered

RESIDUAL/IMPURITIES NOTES:

OTHER PRODUCT NOTES:

QUARTZ

ID: 14808-60-7

%: 65-75%

GS: LT - 1

RC: None

NANO: No

ROLE: Textured Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CAN

MAK Carcinogen

Carc. 1

CAN

IARC

1

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

PHENOL, 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH (CHLOROMETHYL)OXIRANE

ID: 25068-38-6

%: 10-15%

GS: LT - P1

RC: None

NANO: No

ROLE: Hardener

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MUL

German FEA - Substances Hazardous to Waters 2

EYE

EU - GHS (H-Statements)

H319

SKI

EU - GHS (H-Statements)

H315

AQU

EU - GHS (H-Statements)

H411

SKI

EU - GHS (H-Statements)

H317

AQU

EU - R-Phrases

51/53a

SKI

EU - R-Phrases

43

EYE

EU - R-Phrases

36

AQU

EU - R-Phrases

51/53

SKI

EU - R-Phrases

38

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

BENZENEMETHANOL

ID: 100-51-6

%: 1-5%	GS: LT - UNK	RC: None	NANO: No	ROLE: Hardener
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
DEV	G&L - Neurotoxic Chemicals		Neurotoxicity	
MAM	EU - R-Phrases		20/22	

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS.

ID: 68609-97-2

%: 1-5%	GS: LT - UNK	RC: None	NANO: No	ROLE: Resin
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
SKI	EU - GHS (H-Statements)		H317	
SKI	EU - GHS (H-Statements)		H315	
SKI	EU - R-Phrases		43	
SKI	EU - R-Phrases		38	

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

ISOPHORONE DIAMINE

ID: 2855-13-2

%: 1-5%	GS: LT - P1	RC: None	NANO: No	ROLE: Hardener
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
MUL	German FEA - Substances Hazardous to Waters		2	
SKI	EU - GHS (H-Statements)		H314	
SKI	EU - GHS (H-Statements)		H317	
AQU	EU - R-Phrases		52/53	
SKI	EU - R-Phrases		43	
MAM	EU - R-Phrases		21/22	
SKI	EU - R-Phrases		34	
AQU	EU - R-Phrases		52/53a	
SKI	MAK Sensitizing		Sh	

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

DIHYDROGEN OXIDE

ID: 7732-18-5

%: 1-5%	GS: BM - 4	RC: None	NANO: No	ROLE: Hardener
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority Lists			

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

UNKNOWN

ID: UNKNOWN

%: 1-5%	GS: NOGS	RC:	NANO:	ROLE: Hardener
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority Lists			

SUBSTANCE NOTES: This substance is considered proprietary by the supplier, but efforts are underway to obtain this information. A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

HEXANE, 1,6-DIISOCYANATO-, HOMOPOLYMER

ID: 28182-81-2

%: 1-5%	GS: LT - UNK	RC: None	NANO: No	ROLE: Hardener
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority Lists			

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.1-1%	GS: LT - 1	RC: None	NANO: No	ROLE: Resin
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CAN	US CDC - Occupational Carcinogens		Occupational Carcinogen	

CAN	MAK Carcinogen	Carc. 3A
CAN	IARC	2B

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

PHOSPHOROUS ACID, TRIPHENYL ESTER

ID: 101-02-0

%: 0.1-1%	GS: LT - P1	RC: None	NANO: No	ROLE: Resin
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
MUL	German FEA - Substances Hazardous to Waters	2		
EYE	EU - GHS (H-Statements)	H319		
AQU	EU - GHS (H-Statements)	H410		
AQU	EU - GHS (H-Statements)	H400		
SKI	EU - GHS (H-Statements)	H315		
AQU	EU - R-Phrases	50/53		
EYE	EU - R-Phrases	36		
SKI	EU - R-Phrases	38		

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

2-METHYL-1,5-PENTAMETHYLENEDIAMINE

ID: 15520-10-2

%: 0.1-1%	GS: NOGS	RC: None	NANO: No	ROLE: Hardener
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority Lists			

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

PROPANOL, 1(OR 2)-(2-METHOXYMETHYLETHOXY)-, ACETATE

ID: 88917-22-0

%: 0.1-1%	GS: LT - UNK	RC: None	NANO: No	ROLE: Resin
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority Lists			

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

ALUMINUM OXIDE

ID: 1344-28-1

%: 0.1-1%	GS: LT - 1	RC: None	NANO: No	ROLE: Textured Filler
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CAN	MAK Carcinogen	Carc. 2		
RES	AOEC - Asthmagens	Rs		

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

BENZOIC ACID, 2-HYDROXY-

ID: 69-72-7

%: 0.1-1%	GS: LT - UNK	RC: None	NANO: No	ROLE: Hardener
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority Lists			

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

DISTILLATES, PETROLEUM, HYDROTREATED LIGHT

ID: 64742-47-8

%: 0.1-1%	GS: LT - UNK	RC: None	NANO: No	ROLE: Resin
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CAN	MAK Carcinogen	Carc. 3B		

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

1,3,3-TRIMETHYL-N-(2-METHYLPROPYLIDENE)-5-[(2-METHYLPROPYLIDENE)AMINO]CYCLOHEXANEMETHYLAMINE

ID: 54914-37-3

%: 0.1-1%	GS: LT - UNK	RC: None	NANO: No	ROLE: Resin
HAZARDS:	AGENCY(IES) WITH WARNINGS:			

None Found

No warnings found on HPD Priority Lists

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

CARBONIC ACID, DIMETHYL ESTER

ID: 616-38-6

%: 0.1-1%	GS: LT - UNK	RC: None	NANO: No	ROLE: Hardener
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
PHY	EU - GHS (H-Statements)		H225	
PHY	EU - R-Phrases		11	

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

1,3-DIOXOLAN-2-ONE, 4-METHYL-

ID: 108-32-7

%: 0.1-1%	GS: LT - UNK	RC: None	NANO: No	ROLE: Hardener
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
EYE	EU - GHS (H-Statements)		H319	
EYE	EU - R-Phrases		36	

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.



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.



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.



Section 5: General Notes

Residuals and impurities were considered for all raw materials and those that show up above the stated threshold were listed.



Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Dur-A-Flex

ADDRESS:

95 Goodwin Street, East Hartford, CT 06108

WEBSITE: www.dur-a-flex.com

CONTACT NAME: Ron Phillips

TITLE: Product Manager

PHONE: 800-253-3539

EMAIL: contact_us@dur-a-flex.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	GLO	Global warming	PHY	Physical Hazard (reactive)
CAN	Cancer	MAM	Mammalian/ systematic/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
	Benchmark-2 (use but search for safer substitutes)	LT-UNK	List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-2	Benchmark-1 (avoid – chemical of high concern)	NoGS	Unknown (no data on List Translator Lists)
BM-1	Benchmark Unspecified (insufficient data to benchmark)		
BM-U			

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 nanoscale 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 note:

- 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.