

CLASSIFICATION: 09 67 23

PRODUCT DESCRIPTION: REFLEXIONS DESIGNER FLOORING BY DUR-A-FLEX IS A DECORATIVE POURED-IN-PLACE FLOORING SYSTEM WHICH COMBINES DUR-A-FLEX'S DURABLE AND RELIABLE RESIN SYSTEMS WITH THE LATEST IN EFFECTS PIGMENTS TO PRODUCE INSPIRING ONE-OF-A-KIND LOOKS.



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;

OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS. LT - UNK SKI;1,3,3-TRIMETHYL-N-(2-METHYLPROPYLIDENE)-5-[(2-METHYLPROPYLIDENE)AMINO]CYCLOHEXANEMETHYLAMINE LT - UNK ;DIHYDROGEN OXIDE BM - 4 ;UNNAMED SUBSTANCE NOGS ;DISTILLATES, PETROLEUM, HYDROTREATED LIGHT LT - UNK CAN;BENZENEMETHANOL LT - UNK DEV | MAM;ISOPHORONE DIAMINE LT - P1 MUL | SKI | AQU | MAM;PHOSPHOROUS ACID, TRIPHENYL ESTER LT - P1 MUL | EYE | AQU | SKI;MICA-GROUP MINERALS LT - UNK ;2-METHYL-1,5-PENTAMETHYLENEDIAMINE NOGS ;DIIRON TRIOXIDE BM - 2 ;HEXANE, 1,6-DIISOCYANATO-, HOMOPOLYMER LT - UNK ;PHENOL, 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH (CHLOROMETHYL)OXIRANE LT - P1 MUL | EYE | SKI | AQU;BENZOIC ACID, 2-HYDROXY- LT - UNK ;2-PROPENOIC ACID,BUTYL ESTER, POLYMER W/ 2- ETHYLHEXYL 2-PROPENOATE, 2-HYDROXYETHYL 2- PROPENOATE & 2-OXEPANONE, ACETATE, TERT-BU 3,5,5-TRIMETHYLHEXANEPEROXOATE-INITATED NOGS ;AROMATIC 100 (AROMATIC NAPHTHA, TYPE 1) LT - 1 GEN | CAN | MUL;

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 pre-checks completed or disclosed.

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](http://www.hpd-collaborative.org/hpd-2-1-standard)

### DUR-A-FLEX - REFLEXIONS DESIGNER FLOOR SYSTEMS

PRODUCT THRESHOLD: 1,000ppm

RESIDUALS AND IMPURITIES CONSIDERED: Considered

RESIDUAL/IMPURITIES NOTES:

OTHER PRODUCT NOTES:

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

ID: 68609-97-2

%: 40-45%

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.

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

ID: 54914-37-3

%: 15-20%

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.

#### DIHYDROGEN OXIDE

ID: 7732-18-5

%: 10-15%

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

%: 5-10%	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.				

**DISTILLATES, PETROLEUM, HYDROTREATED LIGHT**

ID: 64742-47-8

%: 5-10%	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.				

**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.				

**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.				

**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.				

**MICA-GROUP MINERALS**

ID: 12001-26-2

%: 0.1-1%	GS: LT - UNK	RC: None	NANO: No	ROLE: Colorant
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.				

**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.

**DIIRON TRIOXIDE**

ID: 1309-37-1

%: 0.1-1% GS: BM - 2 RC: None NANO: No ROLE: Colorant  
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.

**HEXANE, 1,6-DIISOCYANATO-, HOMOPOLYMER**

ID: 28182-81-2

%: 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.

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

ID: 25068-38-6

%: 0.1-1% 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.

**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.

**2-PROPENOIC ACID,BUTYL ESTER, POLYMER W/ 2- ETHYLHEXYL 2-PROPENOATE, 2-HYDROXYETHYL 2- PROPENOATE & 2-OXEPANONE, ACETATE, TERT-BU 3,5,5-TRIMETHYLHEXANEPEROXOATE-INITATED**

ID: UNKNOWN

%: 0.1-1% GS: NOGS 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.

**AROMATIC 100 (AROMATIC NAPHTHA, TYPE 1)**

ID: 64742-95-6

%: 0.1-1% GS: LT - 1 RC: None NANO: No ROLE: Resin  
HAZARDS: AGENCY(IES) WITH WARNINGS:  
GEN EU - Annex VI CMRs Muta. 1B  
CAN EU - Annex VI CMRs Carc. 1B

GEN	EU - GHS (H-Statements)	H340
CAN	EU - GHS (H-Statements)	H350
CAN	EU - R-Phrases	45
GEN	EU - R-Phrases	46
CAN	EU - REACH Annex XVII CMRs	Carc. Cat. 2
GEN	EU - REACH Annex XVII CMRs	Muta. Cat. 2
MUL	ChemSec - SIN List	Classified CMR according to Annex VI of Regulation 1272/2008

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

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

#### GreenScreen (GS)

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

#### Recycled Types

<b>PreC</b>	Preconsumer (Post-Industrial)
<b>PostC</b>	Postconsumer
<b>Both</b>	Both Preconsumer and Postconsumer
<b>Unk</b>	Inclusion of recycled content is unknown
<b>None</b>	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.*