

CLASSIFICATION: 07 27 00 AIR BARRIER SYSTEM, 07 28 00 WATER-RESISTIVE BARRIER

PRODUCT DESCRIPTION: DELTA®-VENT SA DELTA®-VENT SA IS A LIGHT-WEIGHT, TEAR-RESISTANT, FULLY ADHERED, WATER-RESISTIVE BARRIER AND AIR BARRIER, WHICH YIELDS HIGH PERFORMANCE. DELTA®-VENT SA ALLOWS MOISTURE WITHIN THE BUILDING ENCLOSURE TO ESCAPE THROUGH THE MEMBRANE VIA VAPOR DIFFUSION. NO FASTENERS ARE REQUIRED, ELIMINATING LEAKS AND IMPROVING THE PERFORMANCE OF THE BUILDING ENCLOSURE WITH INCREASED AIR-TIGHTNESS, MAKING IT IDEAL FOR ENERGY-EFFICIENT CONSTRUCTION. THIS MEMBRANE WITHSTANDS THE RIGORS OF JOB SITES, AS WELL AS TOUGH WIND AND WEATHER. DELTA®-VENT SA IS THE ONLY SELF-ADHERING WRB AND AIR BARRIER WITH THE SECURITY OF A SELF-ADHESIVE EDGE LAP. IT MAY BE ADHERED TO CONCRETE, MASONRY, OSB, PLYWOOD, OR EXTERIOR GRADE DRYWALL. DELTA®-VENT SA GIVES YOU THE CONFIDENCE THAT YOU WILL HAVE AN ENERGY EFFICIENT, AIRTIGHT STRUCTURE FOR YEARS TO COME.

Section 1: Summary

CONTENT INVENTORY

Threshold per material

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

Residuals and impurities considered in 0 of 1 materials
 see Section 2: Material Notes
 see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

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

DELTA-VENT SA [POLYPROPYLENE **LT-UNK** BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE **LT-UNK** 1,3-PENTADIENE, POLYMER WITH 2-METHYL-2-BUTENE **LT-UNK** BENZENE, (1-METHYLETHENYL)-, POLYMER WITH 2-METHYL-2-BUTENE AND 1,3-PENTADIENE **LT-UNK** DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI); **LT-1** | CAN | PBT | MUL ANOX 20 **LT-UNK** 2-(2H-BENZOTRIAZOL-2-YL)-4,6-DITERTPENTYLPHENOL **LT-1** | PBT | MUL 3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXYBENZENEPROPANOIC ACID OCTADECYL ESTER **LT-UNK** TRIS(2,4-DI-TERT-BUTYLPHENYL) PHOSPHITE **LT-UNK** | PBT 1,3-PROPANEDIAMINE, N,N"-1,2-ETHANEDIYLBIS-, REACTION PRODUCTS WITH CYCLOHEXANE AND PEROXIDIZED N-BUTYL-2,2,6,6-TETRAMETHYL-4-PIPERIDINAMINE-2,4,6-TRICHLORO-1,3,5-TRIAZINE REACTION PRODUCTS **BM-1** | PBT HOSTAVIN N 30 **UNK** CHIMASSORB 2020 **UNK** CALCIUM CARBONATE **BM-3** CARBON BLACK **LT-1** | CAN]

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:

This HPD was created with Basic Inventory.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: January 25, 2017	EXPIRY DATE*: January 25, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: January 26, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

DELTA-VENT SA

%: 100.0000 HPD URL:

Inventory Threshold: Per OSHA MSDS Residuals Considered: No

Material Notes:

POLYPROPYLENE

ID: 9003-07-0

%: 32.0000 - 43.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Fabric

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE

ID: 25038-32-8

%: 14.0000 - 23.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Adhesive
Elasticity

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

1,3-PENTADIENE, POLYMER WITH 2-METHYL-2-BUTENE

ID: 26813-14-9

%: 11.0000 - 23.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Adhesive Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

BENZENE, (1-METHYLETHENYL)-, POLYMER WITH 2-METHYL-2-BUTENE AND 1,3-PENTADIENE

ID: 62258-49-5

%: 6.0000 - 17.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Adhesive Resin

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:**DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI);**

ID: 64742-52-5

%: 6.0000 - 17.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Adhesive
Plasticizer**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

CANCER

EU - R-phrases

R45 - May cause cancer

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic
(PBtH) to humans

CANCER

EU - GHS (H-Statements)

H350 - May cause cancer

CANCER

EU - REACH Annex XVII CMRs

Carcinogen Category 2 - Substances which
should be regarded as if they are Carcinogenic to
man

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive
Toxicant

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

CANCER

EU - Annex VI CMRs

Carcinogen Category 1B - Presumed Carcinogen
based on animal evidence**SUBSTANCE NOTES:****ANOX 20**

ID: 6683-19-8

%: 0.0040 - 1.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Adhesive
Antioxidant**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:**2-(2H-BENZOTRIAZOL-2-YL)-4,6-DITERTPENTYLPHENOL**

ID: 25973-55-1

%: 0.0040 - 1.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Adhesive UV
Stabilizer**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

PBT	EU - SVHC Authorisation List	PBT - Candidate list
PBT	EU - SVHC Authorisation List	vPvB - Candidate list
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Substance of Possible Concern
PBT	ChemSec - SIN List	PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXYBENZENEPROPANOIC ACID OCTADECYL ESTER ID: 2082-79-3

%: 0.0040 - 1.0000 GS: LT-UNK RC: None NANO: NO ROLE: Antioxidant

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TRIS(2,4-DI-TERT-BUTYLPHENYL) PHOSPHITE ID: 31570-04-4

%: 0.0040 - 1.0000 GS: LT-UNK RC: None NANO: NO ROLE: Antioxidant

HAZARDS:

PBT

AGENCY(IES) WITH WARNINGS:

EU - ESIS PBT

Under PBT evaluation

SUBSTANCE NOTES:

1,3-PROPANEDIAMINE, N,N"-1,2-ETHANEDIYLBIS-, REACTION PRODUCTS WITH CYCLOHEXANE AND PEROXIDIZED N-BUTYL-2,2,6,6-TETRAMETHYL-4-PIPERIDINAMINE-2,4,6-TRICHLORO-1,3,5-TRIAZINE REACTION PRODUCTS ID: 191680-81-6

%: 0.0040 - 1.0000 GS: BM-1 RC: None NANO: NO ROLE: Flame Retardant

HAZARDS:

PBT

AGENCY(IES) WITH WARNINGS:

EHP - San Antonio Statement on BFRs & CFRs

Flame retardant substance class of concern for PB&T & long range transport

SUBSTANCE NOTES:

HOSTAVIN N 30

ID: 202483-55-4

%: 0.0040 - 1.0000

GS: UNK

RC: None

NANO: NO

ROLE: UV Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CHIMASSORB 2020

ID: 192268-64-7

%: 0.0040 - 1.0000

GS: UNK

RC: None

NANO: NO

ROLE: UV Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CALCIUM CARBONATE

ID: 471-34-1

%: 0.0000 - 9.0000

GS: BM-3

RC: None

NANO: NO

ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CARBON BLACK

ID: 1333-86-4

%: 0.0000 - 2.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Color

HAZARDS:

AGENCY(IES) WITH 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:



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.

DELTA-ADHESIVE LVC (VOC <240.00 G/L)

HPD URL: No HPD link provided

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Delta-Adhesive LVC recommended to increase bond strength of self-adhering membrane such as DELTA®-VENTS SA when applied to above-grade masonry, concrete, exterior grade gypsum board and metal surfaces.



Section 5: General Notes

Please visit our web site at – www.dorken.com – for any additional information or contact our technical support team at 1-888-433-5824 ext. 326



MANUFACTURER INFORMATION

MANUFACTURER: Dörken Systems Inc.

CONTACT NAME: Krzysztof Apriasz

ADDRESS: 4655 Delta Way
Beamsville, Ontario L0R 1B4
Canada

TITLE: Technical Service Manager

PHONE: 1-888-4DETLA4 (433-5824) x 326

WEBSITE: www.dorken.com

EMAIL: kapriasz@dorken.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/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) BM-2
Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient
information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK 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

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.