

CLASSIFICATION: 08 88 13

PRODUCT DESCRIPTION: This Health Product Declaration incorporates the following products and product lines - Contraflam® 45, 60, 90 and 120 Fire-Rated Clear Laminated/Tempered Contraflam® Structure 60 and 120 Fire-Rated Clear Laminated/Tempered Safety Glass from Vetrotech a Saint Gobain Company.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
 Basic Method

Threshold level

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

Residuals/Impurities

Residuals/Impurities
Considered in 4 of 4 Materials

Explanation(s) provided
for Residuals/Impurities?
 Yes No

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No

% weight and role provided for all substances.

Screened Yes Ex/SC Yes No

All substances screened using Priority Hazard Lists with results disclosed.

Identified Yes Ex/SC Yes No

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

Threshold Disclosed Per

- Material
 Product

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](#)

[FLOAT GLASS](#) [[SOLID GLASS AND GLASS / MINERAL FIBER \(SEE VARIANTS\)](#) [LT-UNK](#) | [CAN](#)] [INTERLAYER](#) [[UNDISCLOSED](#) [LT-P1](#) | [UNDISCLOSED](#) [BM-1](#) | [DEL](#) | [END](#)] [SEALANT](#) [[1-PROPENE, 2-METHYL-](#) [HOMOPOLYMER](#) [LT-UNK](#)] [SECONDARY SEALANT](#) [[LIMESTONE, CALCIUM CARBONATE](#) [LT-UNK](#) | [ALIPHATIC POLYSULFIDE-POLYMERS, MOLECULAR WEIGHT >=1800](#) [LT-P1](#) | [MUL](#) | [MANGANESE DIOXIDE](#) [LT-P1](#) | [THIRAM](#) [LT-P1](#) | [END](#) | [AQU](#) | [SKI](#) | [EYE](#) | [MUL](#) | [GEN](#)]

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

Contents highest concern GreenScreen
Benchmark or List translator Score ... BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The HPD incorporates several products and product lines thus a range of raw material percentages results. All materials were screened to 1000 ppm and all residuals and impurities were considered and noted when applicable to the HPD Builder requirements.

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: NA

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2019-12-12

PUBLISHED DATE: 2019-12-16
EXPIRY DATE: 2022-12-12

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.hpdc-collaborative.org/hpd-2-1-1-standard

FLOAT GLASS

#: 59.90 - 67.20

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: All residuals and impurities have been considered and noted when applicable to the HPD Builder Standard.

OTHER MATERIAL NOTES: The range in this layer is result of the requirements for each individual product in the lines that are represented by this HPD.

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-12

#: 100.00 - 100.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Fire Resistant Safety Glass

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

SUBSTANCE NOTES:

INTERLAYER

#: 29.50 - 37.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: All residuals and impurities have been considered and noted when applicable to the HPD Builder Standard.

OTHER MATERIAL NOTES: The range in this layer is result of the requirements for each individual product in the lines that are represented by this HPD.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-12

#: 95.00 - 96.00

GS: LT-P1

RC: None

NANO: No

ROLE: Interlayer Additive

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Material is not disclosed due to proprietary aspects. The material has been screened through the HPD Builder and the Greenscreen ratings are disclosed.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-12

#: 4.00 - 5.00

GS: BM-1

RC: None

NANO: No

ROLE: Interlayer Additive

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

DEVELOPMENTAL

CA EPA - Prop 65

Developmental toxicity

DEVELOPMENTAL

US NIH - Reproductive & Developmental Monographs

Clear Evidence of Adverse Effects - Developmental Toxicity

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Material is not disclosed due to proprietary aspects. The material has been screened through the HPD Builder and the Greenscreen ratings are disclosed.

SEALANT

#: 1.54 - 1.64

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: All residuals and impurities have been considered and noted when applicable to the HPD Builder Standard.

OTHER MATERIAL NOTES: The range in this layer is result of the requirements for each individual product in the lines that are represented by this HPD.

1-PROPENE, 2-METHYL-, HOMOPOLYMER

ID: 9003-27-4

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

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

%: **90.00 - 100.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Insulating glass sealant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **The raw material range is based on content percent from a range of products and product lines that are supported by this HPD.**

SECONDARY SEALANT

%: **1.54 - 1.62**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: **All residuals and impurities have been considered and noted when applicable to the HPD Builder Standard.**

OTHER MATERIAL NOTES: **The range in this layer is result of the requirements for each individual product in the lines that are represented by this HPD.**

LIMESTONE, CALCIUM CARBONATE

ID: 1317-65-3

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

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

%: **45.80 - 91.60**

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: **The raw material range is based on content percent from a range of products and product lines that are supported by this HPD.**

ALIPHATIC POLYSULFIDE-POLYMERS, MOLECULAR WEIGHT >=1800

ID: 68611-50-7

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

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

%: **22.80 - 45.79**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Insulating glass sealant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: **The raw material range is based on content percent from a range of products and product lines that are supported by this HPD.**

MANGANESE DIOXIDE

ID: 1313-13-9

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

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

%: **1.30 - 2.10**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Curing agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **The raw material range is based on content percent from a range of products and product lines that are supported by this HPD.**

THIRAM

ID: 137-26-8

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

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

%: **0.00 - 0.42**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Fungicide**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
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
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
GENE MUTATION	GHS - Japan	Germ cell mutagenicity - Category 1B [H340]

SUBSTANCE NOTES: The raw material range is based on content percent from a range of products and product lines that are supported by this HPD.

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	NA		
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2019-12-02	EXPIRY DATE: 2020-12-02	CERTIFIER OR LAB: NA
APPLICABLE FACILITIES: All Facilities			
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: N/A			

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

The raw material range is based on content percent from a range of products and product lines that are supported by this HPD. All Vetrotech products should be handled and installed per the requirements of the manufacturers SDS. See www.vetrotech.com This HPD fails Option 2 under LEED prescreen as the reporting limit of the sourced material is limited to the 1000 ppm threshold

MANUFACTURER INFORMATION

MANUFACTURER: **Saint Gobain**
 ADDRESS: **2108 B St. NW #110**
Auburn WA 98001, United States
 WEBSITE: **www.vetrotech.com**

CONTACT NAME: **Stephanie Miller**
 TITLE: **Marketing & Communications Manager, North America**
 PHONE: **1(888) 803 9533**
 EMAIL: **stephanie.miller@saint-gobain.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)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms

Inventory Methods:

- Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material
- Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product
- Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

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

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.