

Contraflam® 45 Fire-Rated Clear Laminated/Tempered Safety Glass by Vetrotech Saint-Gobain

Health Product Declaration v2.0

CLASSIFICATION:

created via: HPDC Online Builder

PRODUCT DESCRIPTION: CONTRAFLAM® 45 IS A FIRE-RESISTANT SAFETY GLASS AND OFFERS THE MOST ADVANCED SAFETY GLASS FEATURES TOGETHER WITH A HIGH DEGREE OF FLEXIBILITY. IT CONTAINS AN INTERLAYER THAT BECOMES OPAQUE IN THE EVENT OF FIRE AND ACTS AS A HEAT SHIELD INSULATING AGAINST THE FIRE FOR 45 MINUTES.

Section 1: Summary

CONTENT INVENTORY

Threshold per material	Residuals and impurities considered in 0 of 5 materials
<input checked="" type="radio"/> 100 ppm	<input checked="" type="radio"/> see Section 2:
<input checked="" type="radio"/> 1,000 ppm	Material Notes
<input checked="" type="radio"/> Per GHS SDS	<input checked="" type="radio"/> see Section 5:
<input checked="" type="radio"/> Per OSHA MSDS	General Notes
<input checked="" type="radio"/> Other	

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 type="radio"/>	<input checked="" 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.

Number of Greenscreen BM-4/BM3 contents..... 0
 Contents highest concern GreenScreen Benchmark or List translator Score..... BM-1
 Nanomaterial..... No

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

FLOAT GLASS [GLASS / MINERAL FIBER **LT-UNK**] INTERLAYER [UNDISCLOSED **LT-UNK**] UNDISCLOSED **BM-1** | MAM | DEV | END] CONTRAFLAM LAMINATION [ETHYLENE VINYL ACETATE POLYMER (EVA) **LT-UNK**] SEALANT [1-PROPENE, 2-METHYL-, HOMOPOLYMER **LT-UNK**] SECONDARY SEALANT [LIMESTONE; CALCIUM CARBONATE **LT-UNK** ALIPHATIC POLYSULFIDE-POLYMERS, MOLECULAR WEIGHT >=1800 **LT-UNK** MANGANESE DIOXIDE **LT-UNK**] MAM THIRAM **LT-P1** | MAM | EYE | SKI | AQU | END | MUL]

INVENTORY AND SCREENING NOTES:

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: July 6, 2016	EXPIRY DATE*: July 6, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: July 6, 2016	* 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.

FLOAT GLASS

%: 74.3000 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes:

GLASS / MINERAL FIBER

ID: 65997-17-3

%: 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Fire-resistant safety glass

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

INTERLAYER

%: 21.6000 HPD URL:

Inventory Threshold: Per OSHA MSDS Residuals Considered: No

Material Notes:

UNDISCLOSED

%: 95.0000 - 96.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Fire Protection

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 4.0000 - 5.0000

GS: BM-1

RC: None

NANO: NO

ROLE: Antifreeze

HAZARDS:

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

DEVELOPMENTAL

CA EPA - Prop 65

Developmental toxicity

DEVELOPMENTAL

US NIH - Reproductive & Developmental Monographs

Clear Evidence of Adverse Effects - Developmental Toxicity

SUBSTANCE NOTES:

CONTRAFLAM LAMINATION

%: 1.8000

HPD URL:

Inventory Threshold: Per OSHA MSDS

Residuals Considered: No

Material Notes: In compliance with LEED v4, all ingredients within 1000 ppm of the product, not of each material, are disclosed.

ETHYLENE VINYL ACETATE POLYMER (EVA)

ID: 24937-78-8

%: 95.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Protective Lamination

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SEALANT

%: 1.2000

HPD URL:

Inventory Threshold: Per OSHA MSDS

Residuals Considered: No

Material Notes: In compliance with LEED v4, all ingredients within 1000 ppm of the product, not of each material, are disclosed.

1-PROPENE, 2-METHYL-, HOMOPOLYMER

ID: 9003-27-4

%: 90.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Insulating glass sealant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SECONDARY SEALANT

%: 1.2000 HPD URL:

Inventory Threshold: Per OSHA MSDS Residuals Considered: No

Material Notes:

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 45.8000 - 91.6000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The range provided is the range provided by the supplier.

%: 22.8900 - 45.7900	GS: LT-UNK	RC: None	NANO: NO	ROLE: Insulating glass sealant
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The range provided is the range provided by the supplier.

MANGANESE DIOXIDE

ID: 1313-13-9

%: 1.3000 - 2.1000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Curing agent
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
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MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
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SUBSTANCE NOTES: The range provided is the range provided by the supplier.

THIRAM

ID: 137-26-8

%: 0.0000 - 0.4200	GS: LT-P1	RC: None	NANO: NO	ROLE: Fungicide
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
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MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
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EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
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SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
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SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
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ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.
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ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
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ENDOCRINE	EU - Priority Endocrine Disrupters	Category 1 - In vivo evidence of Endocrine Disruption Activity
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CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
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ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life M = 10
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SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN IRRITATION	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

SUBSTANCE NOTES: This range is provided by the supplier. This substance is used to resist fungus and other organism growth.

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



MANUFACTURER INFORMATION

MANUFACTURER: Vetrotech Saint-Gobain

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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.