

# Contraflam® 60,90 and 120 Fire-Rated Clear Laminated/Tempered Safety Glass by Vetrotech Saint-Gobain

## Health Product Declaration v2.0

CLASSIFICATION: 08 88 13

created via: HPDC Online Builder

PRODUCT DESCRIPTION: CONTRAFLAM IS A FIRE-RESISTANT TEMPERED SAFETY GLASS COMPRISED OF MULTIPLE LAYERS WITH INSULATING INTUMESCENT LAYERS. THIS PRODUCT ABSORBS ENERGY FORM A FIRE AND REDUCES THE TRANSMISSION OF HEAT. THIS HPD COVERS CONTRAFLAM 60, CONTRAFLAM 90 AND CONTRAFLAM 120.

### Section 1: Summary

#### CONTENT INVENTORY

Threshold per material	Residuals and impurities considered in 0 of 4 materials	Based on the selected Content Inventory Threshold:	
<input checked="" type="radio"/> 100 ppm	<input checked="" type="radio"/> see Section 2: Material Notes	Characterized.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> 1,000 ppm	<input type="radio"/> see Section 5: General Notes	Are the Percent Weight and Role provided for all substances?	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input type="radio"/> Per GHS SDS		Screened.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Per OSHA MSDS		Are all substances screened using Priority Hazard Lists with results disclosed?	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input type="radio"/> Other		Identified.....	<input type="radio"/> Yes <input checked="" type="radio"/> No
		Are all substances disclosed by Name (Specific or Generic) and Identifier?	

#### 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 ] 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](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### FLOAT GLASS

#: 59.9000 - 67.2000

HPD URL:

Inventory Threshold: 100 ppm

Residuals Considered: No

Material Notes: Per the current HPD Version 2.0 Open Standard, float glass is considered a special condition material; however, no methodology on how to evaluate the substances contained in the material has been defined per the publication date of this declaration. Therefore, this HPD reports glass as a single substance since glass is an inert material whose substances do not post independent health hazards to the consumer.

#### 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

#: 29.5000 - 37.0000

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

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES:

**SEALANT**

%: 1.5400 - 1.6400

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**

%: 1.5400 - 1.6200 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.

ALIPHATIC POLYSULFIDE-POLYMERS, MOLECULAR WEIGHT >=1800

ID: 68611-50-7

%: 22.8900 - 45.7900

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

%: 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 Disruptors	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
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SKIN IRRITATION	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
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EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
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ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
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ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
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SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
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SUBSTANCE NOTES: This range is provided by the supplier. This substance is used to resist fungus and other organism growth.

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### 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

CONTACT NAME: Lori Jerome

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USA

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EMAIL: Lori.Jerome@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) 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.