

CLASSIFICATION: 09350 GLASS MOSAIC

PRODUCT DESCRIPTION: GLASSTINTS GLASS TILE IS MANUFACTURED BY HEATING CLEAR FLAT GLASS (SILICATE SODA LIME) SOURCED PRIMARILY FROM PILKINGTON GLASS (NSG GROUP) AND COLORED GLAZES SOURCED FROM FERRO GMBH SUNSHINE SERIES. WHEN FIRED AT 820 DEGREES CELSIUS, THE COLOR MELTS AND BONDS PERMANENTLY TO THE GLASS. THE GLASS TILE IS INSTALLED WITH THE COLOR FACING DOWN TOWARDS THE SUBSTRATE. SUNSHINE SERIES GLAZES MAY CONTAIN LEAD TO SOFTEN THE GLAZE AND CERTAIN COLORS, SUCH AS RED, ORANGE AND YELLOW CONTAIN CADMIUM. COLOR DEPOSITS AFTER FIRING LIES BETWEEN 25 AND 40 MICROMETERS. THE SUNSHINE SERIES IS MADE FOR DECORATING PORCELAIN, BONE CHINA, VITREOUS CHINA AND EARTHENWARE. RESISTANCE OF FIRED COLOR LAYERS TO ACID AND ALKALI ATTACKS SHOW ONLY A VERY SLIGHT ALKALI ATTACK (TEST WITH 0.5% CALGONITE SOLUTION, 77 DEGREE CELSIUS, 16 HOURS).

## 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 2 materials  
 see Section 2: Material Notes  
 see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input type="radio"/>	<input checked="" type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input type="radio"/>	<input checked="" 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.

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

[MATERIAL](#) | [SUBSTANCE](#) | [RESIDUAL OR IMPURITY](#)  
[GREENSCREEN SCORE](#) | [HAZARD TYPE](#)

[FLOAT GLASS](#) [SUNSHINE SERIES COLOR](#)

### 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 22, 2017	EXPIRY DATE*: July 22, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: July 22, 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](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

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### FLOAT GLASS

%: 99.4400 - 99.8300

HPD URL: <https://hpdrepository.hpd-collaborative.org/repository/HPDs/1837-20150206113723.pdf>

Inventory Threshold: Per OSHA MSDS  
Residuals Considered: No

Material Notes: The product is soda lime silicate flat glass. This substance is included within the broad CAS number 65597-17-3. The product does not contain fibreglass or crystalline silica and therefore does not have any health risks associated with them.

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### SUNSHINE SERIES COLOR

%: 0.5600 - 0.6700

HPD URL:

Inventory Threshold: Per OSHA MSDS  
Residuals Considered: No

Material Notes: Ferro GmbH Performance Pigments and Colors manufactures the Sunshine Series of colors for decoration of porcelain, bone china, earthenware and vitreous china. The color is deposited between 25 and 40 micrometers and fired at 820 degrees Celsius. When fired the colors demonstrate resistance to acids and alkali attacks. Sunshine colors contain lead. Red, orange and yellow colors contain cadmium. Cadmium containing colors generally cannot be mixed with other colors. Sunshine colors fulfill the limits of EN 1388 and the release of heavy metals is not measurable after the colors are fired. The color is installed face down.



## 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: Interstyle Ceramic & Glass Ltd.

CONTACT NAME: Kim Hauner

ADDRESS: 3625 Brighton Avenue  
Burnaby, British Columbia V5A3H5  
Canada

TITLE: President

PHONE: +1 604 421 7229

WEBSITE: <https://www.interstyleglass.com>

EMAIL: [info@interstyleglass.com](mailto:info@interstyleglass.com)

## KEY

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**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

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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.