**Name**  
Pilkington Flat Glass

**Product ID**  
Flat glass

**Classification**  
08 50 00.00 Openings (door ways): Windows

**Website**  
www.nsg.com

**Manufacturer**  
NSG Group

**Address**  
NSG Technical Centre  
Hall Lane, Lathom  
Ormskirk L40 5UF  
UK

**Contact Name**  
Dr. Jeffrey Williams

**Title**  
EHS Manager

**Phone**  
0044 1695 54234

**Email**  
jeffrey.williams@nsg.com

**Description**  
This HPD covers Pilkington flat glass, and includes float glass and rolled glass. The glass may be clear or tinted, and coated or uncoated. Pilkington is part of the NSG Group.

**Release Date**  
2015-02-06

**Expiry Date**  
2018-02-06

**HPD URL**  

**SUMMARY DISCLOSURE**

The content of this product was assessed for health hazard warnings as required using Pharos

**Residuals Disclosure**  
- Measured 100 ppm (ideal)
- Measured 1000 ppm
- Predicted by process chemistry
- As per MSDS (1,000 & 10,000 ppm)
- Not disclosed
- Other

**Full Disclosure of Intentional Ingredients**  
- Yes  
- No

**Full Disclosure of Known Hazards**  
- Yes  
- No

**Disclosure Notes**  
The flat glass may be coated to provide extra functionality. The coating is applied either on-line (during flat glass manufacture) or off-line (processed later). The coating comprises less than 0.01% of the total and may contain any of the following metallic elements, depending on the product: silver, nickel, chromium, aluminium, titanium, tin, zinc, zirconium, antimony, iron and tungsten. The amount in the product is below the disclosure threshold of the HPD and so the potential hazards are not disclosed; however, there is no known health risk associated with their use as coatings on glass.

**Contents in Descending Order of Quantity**

<table>
<thead>
<tr>
<th>Material</th>
<th>Regulatory (g/L)</th>
<th>Material (g/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLASS / MINERAL FIBER</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Hazards**

- PBT (Persistent Bioaccumulative Toxic)  
- Cancer  
- Gene Mutation  
- Development  
- Reproductive  
- Endocrine  
- Respiratory  
- Neurotoxicity  
- Mammal  
- Endocrine  
- Skin or Eye  
- Aquatic toxicity  
- Land toxicity  
- Physical hazard  
- Global warming  
- Ozone depletion  

- Multiple  
- Unknown

**Highest concern GreenScreen score** - List Translator Unspecified

**Total VOC Content**

- Material (g/L)  
  N/A
- Regulatory (g/L)  
  N/A

**Does the product contain exempt VOCs?**  
- N/A  
- Yes  
- No

**Are there VOC-free tints available?**  
- N/A  
- Yes  
- No

**Notes**

Certifications + Compliance

**VOC Emissions**  
Not tested

**VOC Content**  
N/A
The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

### CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level. Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

**GS**: GreenScreen Benchmark; **RC**: Recycled Content, **PC**: Post Consumer, **PI**: Post Industrial (Pre-consumer), **BO**: Both; **Nano**: comprised of nanoscale particles or nanotechnology

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS RN</th>
<th>% weight</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard A</td>
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<tr>
<td>Hazard B</td>
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<td>Hazard C</td>
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<td>Hazard D</td>
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<td>Hazard E</td>
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**Notes**

GLASS / MINERAL FIBER

65997-17-3 100 % LT-U PI N Glass substance

None found

No warnings found on HPD Priority lists

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.

### CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

<table>
<thead>
<tr>
<th>Type</th>
<th>Standard or Certification</th>
<th>Certifier or Laboratory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certifying Party</td>
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<td>Applicable Facilities</td>
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<tr>
<td>Notes</td>
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</tbody>
</table>

VOC Emissions

Not tested

VOC Content

N/A
Recycled Content | Not tested
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Other

### ACCESSORY MATERIALS
This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

<table>
<thead>
<tr>
<th>Required or Recommended Product</th>
<th>URL for Companion Health Product Declaration</th>
</tr>
</thead>
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<tr>
<td>Condition when required or recommended and/or other notes</td>
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### NOTES