**Stainless Steel Sheets**

**Manufacturer**
Forms+Surfaces  
30 Pine Street  
Pittsburgh, PA 15223

**Name**
Sandra Closson  
Title: Sustainability Manager  
Phone: 412.282.5244  
Email: sandra.closson@forms-surfaces.com

**Website**
www.forms-surfaces.com/stainless-steel

**Description**
This HPD applies to Stainless Steel Sheets. The material content was taken from Pharos Building Product Library- Stainless Steel Type 304.

**Release Date**
2013-12-05  
**Expiry Date**
2016-12-05

**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 (10,000 ppm)  
- not disclosed  
- other

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

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

**Notes**
The residuals are predicted by process chemistry using the HBN Pharos Tool.

**Contents in Descending Order of Quantity**
IRON, Chromium, elemental, Nickel, NITROGEN, Carbon, Manganese, Silicon, elemental, PHOSPHORUS, SULFUR

**Hazards**
- PBT (Persistent Bioaccumulative Toxic)  
- Cancer  
- Gene Mutation  
- Development  
- Reproductive  
- Endocrine  
- Respiratory

**Highest concern GreenScreen score - Benchmark 1**
- Neurotoxicity  
- Mammal  
- Skin or Eye  
- Aquatic toxicity  
- Land toxicity  
- Physical hazard  
- Global warming  
- Ozone depletion

**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

**Total VOC Content**
N/A

**Notes**

**Certifications + Compliance**
- **VOC Emissions**
  Not tested  
- **Multi-attribute**
  ISO 14021

**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>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hazard</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Notes</td>
</tr>
<tr>
<td>IRON</td>
<td>7439-89-6</td>
<td>65 - 73.8 %</td>
<td>U</td>
<td>BO</td>
<td>N</td>
<td>stainless steel component</td>
<td>The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.</td>
</tr>
<tr>
<td>None found</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td>The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.</td>
</tr>
<tr>
<td>Chromium, elemental</td>
<td>7440-47-3</td>
<td>18 - 20 %</td>
<td>U</td>
<td>BO</td>
<td>N</td>
<td>stainless steel component</td>
<td>The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.</td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.</td>
</tr>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>8 - 12 %</td>
<td>BM1</td>
<td>BO</td>
<td>N</td>
<td>stainless steel component</td>
<td>The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.</td>
</tr>
<tr>
<td>CANCER</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td>The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.</td>
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<tr>
<td>RESPIRATORY</td>
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<td></td>
<td>The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.</td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td></td>
<td></td>
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<td>The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
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<td></td>
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<td>The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.</td>
</tr>
<tr>
<td>ORGAN TOXICANT</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.</td>
</tr>
<tr>
<td>NITROGEN</td>
<td>7727-37-9</td>
<td>0 - 0.1 %</td>
<td>BO</td>
<td>N</td>
<td></td>
<td>stainless steel component</td>
<td>The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.</td>
</tr>
<tr>
<td>Carbon</td>
<td>7440-44-0</td>
<td>0 - 0.1 %</td>
<td>U</td>
<td>BO</td>
<td>N</td>
<td>stainless steel component</td>
<td>The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.</td>
</tr>
<tr>
<td>Manganese</td>
<td>7439-96-5</td>
<td>0.1 - 2 %</td>
<td>P1</td>
<td>BO</td>
<td>N</td>
<td>stainless steel component</td>
<td>The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.</td>
</tr>
</tbody>
</table>
Silicon, elemental

<table>
<thead>
<tr>
<th>Element</th>
<th>CAS Number</th>
<th>% Content</th>
<th>Usage</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon</td>
<td>7440-21-3</td>
<td>0.1 - 0.8 %</td>
<td>U BO N stainless steel component</td>
<td>stainless steel component</td>
</tr>
</tbody>
</table>

None found

No warnings found on HPD Priority lists

The recycled content of our Stainless Steel Sheets range from 8-67% Post-Industrial and 0-78% Post-Consumer, depending on finish selection.

PHOSPHORUS

<table>
<thead>
<tr>
<th>Element</th>
<th>CAS Number</th>
<th>% Usage</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphorus</td>
<td>7723-14-0</td>
<td>R U</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

ACUTE AQUATIC

EU R-Phrases: R52: Harmful to aquatic organisms.

FLAMMABLE

EU H-Statements: H228 Flammable solid

SULFUR

<table>
<thead>
<tr>
<th>Element</th>
<th>CAS Number</th>
<th>% Usage</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfur</td>
<td>7704-34-9</td>
<td>R U</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

SKIN IRRITATION

EU H-Statements: H315 Causes skin irritation

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>Certifying Party</th>
<th>Issue Date</th>
<th>Expiry Date</th>
<th>Certificate URL</th>
<th>Applicable Facilities</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC Emissions</td>
<td>Not tested</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOC Content</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recycled Content</td>
<td>Not tested</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multi-attribute ISO 14021</td>
<td>Self certifying</td>
<td>ISO 14021-2013-12-03</td>
<td><a href="http://www.iso.org">www.iso.org</a></td>
<td>The provided recycled content data is generated from supplier data, following the guidelines of ISO 14021 Self-declared environmental claims (Type II environmental labelling).</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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>Condition when required or recommended and/or other notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-chlorinated spray cleaner/degreaser</td>
</tr>
<tr>
<td>Recommended for removing fingerprints and smudges</td>
</tr>
<tr>
<td>Baking soda and water</td>
</tr>
<tr>
<td>Recommended for removing heavier soiling or superficial discoloration</td>
</tr>
<tr>
<td>White vinegar</td>
</tr>
<tr>
<td>Recommended as polishing is needed</td>
</tr>
<tr>
<td>Commercial products specifically formulated for stainless steel</td>
</tr>
<tr>
<td>Can be used for cleaning and polishing</td>
</tr>
</tbody>
</table>

**NOTES**
The material content was taken from the Pharos Building Product Library- Stainless Steel Type 304. The provided recycled content data is generated from supplier data, following the guidelines of ISO 14021 Self-declared environmental claims (Type II environmental labelling).