July 2019

RE: Sustainability Statement

Nystrom certifies and provides the following information for use in achieving LEED v4 credit for the specification of Nystrom Stair Treads and Nosings.

**Product**

**Model(s)**
- STSB, STSF, STSB-N, STSF-N, STSB-N0.75, STTF, STTB, STRB

**Manufacturing Info**
- Final Assembly Location: Brooklyn Park, MN
- Extraction point is not within 500 miles of manufacturing

**LEED Credit Options:**

**Product Disclosure and Optimization – Material Ingredients**
- Option 1. Material Ingredient Reporting (1 point) Use at least 20 different permanently installed products from at least five different manufacturers that use any of the following programs to demonstrate the chemical inventory of the product to at least 0.1% (1000 ppm). (10 different permanently installed products from at least three different manufacturers for CS and Warehouses & Distribution Centers)
  - Health Product Declaration. The end use product has a published and complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration open Standard.

If you require any further information, please do not hesitate to contact us at (800) 547-2635
Abrasive Stair Nosings by Nystrom

CLASSIFICATION: 05 55 00 Metal Fabrications: Metal Stair Treads and Nosings

PRODUCT DESCRIPTION: Steps and stairways are common to most buildings as a key element of circulation and movement of people through individual spaces and the entire building. They also serve as a means of egress in the event of fire or other emergencies and are regulated in great detail by building codes and standards. Anti-slip stair treads help prevent pedestrian slips and falls, limiting risk and liability. For commercial and institutional buildings with moderate to high levels of foot traffic, extruded aluminum stair treads and nosings are selected for both interior and exterior locations. The abrasive insert are ADA and OSHA compliant. This HPD covers Nystrom's Ribbed Bar Abrasive Nosing (STSB), Full Abrasive Nosing (STSF), Inset Ribbed Bar Abrasive Nosing (STSB-N), Inset Full Abrasive Nosing (STSF-N), Architectural Insert Full Abrasive Nosing (STSB-N.75), Two-part full abrasive Nosing (STTG), Two-part ribbed bar abrasive nosing (STTB) and Renovation Abrasive Nosing (STRB) with standard black abrasive. Additional abrasive color options are available; please contact manufacturer for more information.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format
- Nested Materials Method
- Basic Method

Threshold Disclosed Per
- Material
- Product

Threshold level
- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?
- Yes
- No

All Substances Above the Threshold Indicated Are:

- Characterized: Yes Ex/SC Yes No
  - % weight and role provided for all substances.

- Screened: Yes Ex/SC Yes No
  - All substances screened using Priority Hazard Lists with results disclosed.

- Identified: Yes Ex/SC Yes No
  - 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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY | GREENSCREEN SCORE | HAZARD TYPE
--- | --- | --- | --- | ---
ABRASIVE STAIR NOSINGS | [ALUMINUM LT-P1] | RES | PHY | END
ALUMINUM OXIDE BM-2 | RES SILICA, FUSED LT-1 | CAN EPOXY RESINS
NoGS FERRIC OXIDE BM-2 | CAN CALCIUM OXIDE LT-P1 | SILICA,
AMORPHOUS LT-P1 | CAN MAGNESIUM OXIDE LT-UNK | CAN TITANIUM
DIOXIDE LT-1 | CAN | END |

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

See Section 3 for additional listings.

VOC emissions: CDPH Standard Method – Not tested

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-03-26
PUBLISHED DATE: 2019-07-25
EXPIRY DATE: 2022-03-26
This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold.
- Nested Material Inventory method with individual Material-level thresholds.

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### ABRASIVE STAIR NOSINGS

**PRODUCT THRESHOLD:** 1000 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** Residuals and impurities were considered by following the suggestions of Emerging Best Practices. Approximately 95% of this product consists of metal alloys, for which Pharos CML considers the various alloying elements as "Known or Potential Residuals". Thus, these components have been included in the Substance Notes instead of as individual content entries, with components listed by name, CASRN, and relevant GreenScreen score.

**OTHER PRODUCT NOTES:** Percent by weight of substances given as range due to material variations between product lines.

### ALUMINUM

**ID:** 7429-90-5

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE</th>
<th>2019-03-26</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 93.00 - 96.00</td>
<td>GS: LT-P1</td>
<td>RC: Both</td>
<td>NANO: No</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
**RESPIRATORY**  
AOEC - Asthmagens  
Asthmagen (Rs) - sensitizer-induced  
**PHYSICAL HAZARD (REACTIVE)**  
EU - GHS (H-Statements)  
H228 - Flammable solid  
**PHYSICAL HAZARD (REACTIVE)**  
EU - GHS (H-Statements)  
H250 - Catches fire spontaneously if exposed to air  
**PHYSICAL HAZARD (REACTIVE)**  
EU - GHS (H-Statements)  
H261 - In contact with water releases flammable gases  
**ENDOCRINE**  
TEDX - Potential Endocrine Disruptors  
Potential Endocrine Disruptor

**SUBSTANCE NOTES:** Recycled content confirmed by supplier as average 80%, including average 67% pre-consumer/post-industrial recycled scrap, and average 13% post-consumer recycled scrap. Documentation from supplier provides the following composition for alloying elements that may individually exceed the declared threshold: Magnesium [7439-95-4; LT-UNK]; Silicon [7440-21-3; LT-UNK]; Chromium [7440-47-3; LT-P1]; Copper [7440-50-8; LT-UNK]; Zinc [7440-66-6; LT-P1]; Manganese [7439-96-5; LT-P1]; Titanium [7440-32-6; LT-UNK]. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials ("Special Conditions"), including those with Form-Specific Hazards such as Aluminum.

### ALUMINUM OXIDE

**ID:** 1344-28-1

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE</th>
<th>2019-03-26</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 3.00 - 4.00</td>
<td>GS: BM-2</td>
<td>RC: None</td>
<td>NANO: No</td>
</tr>
</tbody>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-03-26  
**%:** 3.00 - 4.00  
**GS:** BM-2  
**RC:** None  
**NANO:** No  
**ROLE:** Abrasive Substrate Component; Pigment Component

[Abrasive Stair Nosings](http://hpdrepository.hpd-collaborative.org)  
HPD v2.1.1 created via HPDC Builder Page 2 of 7
<table>
<thead>
<tr>
<th>Substance</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SILICA, FUSED</strong></td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-03-26</td>
<td>0.50 - 1.50</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Pigment Component</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>EPOXY RESINS</strong></td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-03-26</td>
<td>0.10 - 0.20</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
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<tr>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>FERRIC OXIDE</strong></td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-03-26</td>
<td>0.10 - 1.00</td>
<td>BM-2</td>
<td>None</td>
<td>No</td>
<td>Abrasive Substrate Component; Pigment Component</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CALCIUM OXIDE</strong></td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-03-26</td>
<td>0.10 - 1.00</td>
<td>BM-2</td>
<td>None</td>
<td>No</td>
<td>Abrasive Substrate Component; Pigment Component</td>
</tr>
</tbody>
</table>

** WARNINGS **

- **SILICA, FUSED**
  - US CDC - Occupational Carcinogens: Occupational Carcinogen

- **EPOXY RESINS**
  - No warnings found on HPD Priority Hazard Lists

- **FERRIC OXIDE**
  - MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

** SUBSTANCE NOTES **

- **SILICA, FUSED**
  - GreenScreen Benchmark® assessment score of BM-2 was provided by the HPD Builder Tool.

- **EPOXY RESINS**
  - GreenScreen Benchmark® assessment score of BM-2 was provided by the HPD Builder Tool.
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, Amorphous</td>
<td>7631-86-9</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-03-26</td>
<td>0.01 - 0.20</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Pigment Component</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CANCER</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Carcinogenicity - Category 1A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CANCER</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>H350i - May cause cancer by inhalation</td>
</tr>
<tr>
<td>Magnesium Oxide</td>
<td>1309-48-4</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-03-26</td>
<td>0.01 - 0.20</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Abrasive Substrate Component</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CANCER</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-03-26</td>
<td>0.01 - 0.20</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Pigment Component</td>
</tr>
</tbody>
</table>

**WARNINGS**

<table>
<thead>
<tr>
<th>Agency and List Titles</th>
<th>WARNING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japan - GHS</td>
<td>CANCER</td>
</tr>
<tr>
<td>Australia - GHS</td>
<td>CANCER</td>
</tr>
<tr>
<td>MAK</td>
<td>CANCER</td>
</tr>
</tbody>
</table>

**HAZARD SCREENING METHOD**

Pharos Chemical and Materials Library

**HAZARD SCREENING DATE**

2019-03-26
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Identified on the US EPA Safer Chemical Ingredient List. Form-specific hazards: airborne particles of respirable size - occupational setting. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials (“Special Conditions”), including those with Form-Specific Hazards such as Titanium Dioxide. The Material Health Harmonization Task Group convened by the USGBC states that pigmentary titanium dioxide was "determined to be Benchmark 2 using the full GS (GreenScreen) method" (http://ow.ly/Z5ken).
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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>CDPH Standard Method – Not tested</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY:</td>
<td>Self-declared</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>N/A</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-03-20</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB.:</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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.

**REPAIR KIT**

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Used only for aesthetic repairs or small holes. Includes abrasive material and epoxy resin.

**TAPED TOPS**

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Provides protection of exposed surfaces during installation to prevent overspill from pouring concrete.

**PROTECTIVE PAINT**

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Prevents a reaction between the undersides of the stair treads and concrete where they come into contact with each other.

**MOUNTING HARDWARE**

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Mounting options include: Cast-in Bolt; Drilled Holes, Mechanically Fastened; Extruded Anchor; Wing Nut.

Section 5: General Notes

Abrasive Stair Nosings

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MANUFACTURER INFORMATION

**MANUFACTURER:** Nystrom

**ADDRESS:** 9300 73rd Avenue North

Minneapolis MN 55428, USA

**WEBSITE:** www.nystrom.com

**CONTACT NAME:** Sandy McWilliams

**TITLE:** Director of Business Development

**PHONE:** (800) 547-2635

**EMAIL:** SMcWilliams@nystrom.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
- CAN Cancer
- DEV Developmental toxicity
- END Endocrine activity
- EYE Eye irritation/corrosivity
- GEN Gene mutation
- GLO Global warming
- MAM Mammalian/systemic/organ toxicity
- MUL Multiple hazards
- NEU Neurotoxicity
- OZO Ozone depletion
- PBT Persistent Bioaccumulative Toxic
- PHY Physical Hazard (reactive)
- REP Reproductive toxicity
- RES Respiratory sensitization
- SKI Skin sensitization/irritation/corrosivity
- LAN Land Toxicity
- NF Not found on Priority Hazard Lists

**GreenScreen (GS)**

- BM-4 Benchmark 4 (prefer-safer chemical)
- BM-3 Benchmark 3 (use but still opportunity for improvement)
- BM-2 Benchmark 2 (use but search for safer substitutes)
- BM-1 Benchmark 1 (avoid - chemical of high concern)
- BM-U Benchmark Unspecified (insufficient data to benchmark)
- LT-P1 List Translator Possible Benchmark 1
- LT-1 List Translator Likely Benchmark 1
- LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
- NoGS 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 Terms**

- Inventory Methods:
  - Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
  - Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
  - Basic Method / Product Threshold Substances listed individually per threshold indicated per product

- Nano Composed of nano scale particles or nanotechnology
- Third Party Verified Verification by independent certifier approved by HPDC
- Preparer Third party preparer, if not self-prepared by manufacturer
- 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 v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

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 standard noted.