July 2019

RE: Sustainability Statement

Nystrom certifies and provides the following information for use in achieving LEED v4 credit for the specification of Sunlit Daylighting Roof Hatch.

**Product** Sunlit Roof Hatch  
**Model(s)** RHL

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

**LEED Credit Options**
- MR Credit: Building 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.
Daylighting Roof Hatch
by Nystrom

CLASSIFICATION:
07 72 33 Thermal and Moisture Protection: Roof Hatches

PRODUCT DESCRIPTION:
Roof Hatches provide safe and convenient access to commercial building roof areas using interior ladders and stairs. Nystrom's complete line of Roof Hatch and Safety products meet building codes, fire and life safety requirements. Nystrom's Sunlit Roof Hatch provides safe access to roof areas on your building utilizing a translucent dome. Available with ladder and ship stair access and optional safety railings, grab bars and a variety of materials and finishes. The Sunlit Roof Hatch allows light into the building and improves visibility for employees accessing the roof. This HPD covers the single door model RHL with multiple insulation options.

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

Explaination(s) provided for Residuals/Impurities?
- 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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY | GREENSCREEN SCORE | HAZARD TYPE

DAYLIGHTING ROOF HATCH [3003-H14 ALUMINUM LT-P1 | RES | PHY]
END STEEL NoGS POLYCARBONATE LT-UNK POLYISOYANURATE FOAM LT-UNK ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM) LT-UNK LIMESTONE, CALCIUM CARBONATE LT-UNK SILIOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED BM-2 FUMED SILICA, CRYSTALLINE-FREE LT-P1 | CAN CELLULOSE PULP NoGS CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK CARBON BLACK LT-1 | CAN BUTYL RUBBER LT-UNK KAOLIN CLAY LT-UNK | CAN ANOX 20 LT-UNK DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE LT-1 | CAN | MUL POLYBUTENE LT-UNK TALC BM-1 | CAN ZINC LT-P1 | AGU | PHY | END | MUL POLYVINYL CHLORIDE (PVC) LT-P1 | RES PENTANE LT-P1 | AQU | PHY | MAM | MUL TRIGLYCIDYL ISOYANURATE (TGIC) LT-1 | RES | GEN | MAM | SKI | EYE | MUL POLYSTYRENE LT-UNK PIGMENT RESIN NoGS ALUMINA TRIHYDRATE BM-2 | RES FERRIC OXIDE BM-2 | 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
<table>
<thead>
<tr>
<th>Table 1: Data Sheet Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Third Party Verified?</strong></td>
</tr>
<tr>
<td>☐ Yes</td>
</tr>
<tr>
<td>☒ No</td>
</tr>
<tr>
<td><strong>PREPARER:</strong> Self-Prepared</td>
</tr>
<tr>
<td><strong>VERIFIER:</strong></td>
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<td><strong>VERIFICATION #:</strong></td>
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<td><strong>SCREENING DATE:</strong> 2019-09-27</td>
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<td><strong>PUBLISHED DATE:</strong> 2019-09-29</td>
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<tr>
<td><strong>EXPIRY DATE:</strong> 2022-09-27</td>
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</table>
Section 2: Content in Descending Order of Quantity

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

Daylighting Roof Hatch

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 80-85% of this product consists of metal alloys, for which Pharos CML may consider the various alloying elements as “Known or Potential Residuals”. Therefore, these components have been included in the Substance Notes instead of as individual content entries. Components are listed by name, CASRN, percent by weight (as per supplier SDS), and relevant GreenScreen score.

OTHER PRODUCT NOTES: Percent by weight of substances given as ranges to account for material differences of various product options.

3003-H14 ALUMINUM

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2019-09-27</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 64.00 - 67.00</td>
<td>GS: LT-P1</td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>AOE - Asthmagens</td>
</tr>
<tr>
<td>AGENCY AND LIST TITLES</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>PHYSICAL HAZARD (REACTIVE)</td>
</tr>
<tr>
<td>AGENCY AND LIST TITLES</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td>WARNINGS</td>
<td>H228 - Flammable solid</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td>AGENCY AND LIST TITLES</td>
<td>H250 - Catches fire spontaneously if exposed to air</td>
</tr>
<tr>
<td>WARNINGS</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>H261 - In contact with water releases flammable gases</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES: Standard material for curb and cover. Recycled content estimated by supplier to range from 5% to about 60%, with an average recycled content of about 35%. Documentation from supplier provides the following composition for alloying elements that may individually exceed the declared threshold: Max 2.8% Zinc [7440-66-6; LT-P1]; Max 2.0% Manganese [7439-96-5; LT-P1]; Max 1.6% Magnesium [7439-95-4; LT-UNK]; Max 1.9% Silicon [7440-21-3; LT-UNK]; Max 1.1% Iron [7439-89-6; LT-P1]; Max 0.5% Chromium [7440-47-3; LT-P1]. 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.

STEEL

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2019-09-27</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 14.00 - 17.00</td>
<td>GS: NoGS</td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>AGENCY AND LIST TITLES</td>
<td>PHYSICAL HAZARD (REACTIVE)</td>
</tr>
<tr>
<td>AGENCY AND LIST TITLES</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td>WARNINGS</td>
<td>HAZARD TYPE</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td>AGENCY AND LIST TITLES</td>
<td>ENDOCRINE</td>
</tr>
<tr>
<td>WARNINGS</td>
<td>TEDX - Potential Endocrine Disruptors</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>Potential Endocrine Disruptor</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES: Standard material for curb and cover. Recycled content estimated by supplier to range from 5% to about 60%, with an average recycled content of about 35%. Documentation from supplier provides the following composition for alloying elements that may individually exceed the declared threshold: Max 2.8% Zinc [7440-66-6; LT-P1]; Max 2.0% Manganese [7439-96-5; LT-P1]; Max 1.6% Magnesium [7439-95-4; LT-UNK]; Max 1.9% Silicon [7440-21-3; LT-UNK]; Max 1.1% Iron [7439-89-6; LT-P1]; Max 0.5% Chromium [7440-47-3; LT-P1]. 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.
<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>
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<tbody>
<tr>
<td><strong>POLYCARBONATE</strong></td>
<td>25037-45-0</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-09-27</td>
<td>4.00 - 5.00</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Base Polymer</td>
</tr>
<tr>
<td>SUBSTANCE NOTES:</td>
<td>Hold-open arm, support, brackets, latch, hasp, various hardware. Galvannealed steel is alternate material available for body of Roof Hatch (constitutes approximately 85% of product when used as alternate material). Documentation from supplier provides the following composition for alloying elements that may individually exceed the declared threshold: max 3.1% Silicon [7440-21-3; LT-UNK]; max 2.5% Manganese [7439-96-5; LT-P1]; max 1.6% Aluminum [7429-90-5; LT-P1]; max 1.8% Nickel [7440-02-0; LT-1]; max 1.0% Chromium [7440-47-3; LT-P1]; max 0.2% Vanadium [7440-62-2; LT-1].</td>
<td></td>
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<td><strong>POLYISOCYANURATE FOAM</strong></td>
<td>9063-78-9</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-09-27</td>
<td>2.00 - 4.00</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Insulation</td>
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<tr>
<td>SUBSTANCE NOTES:</td>
<td>Translucent dome cover. May also include the following CASRN: 25971-63-5 [LT-UNK</td>
<td>NO]; 24936-68-3 [NoGS</td>
<td>NO].</td>
<td></td>
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<tr>
<td><strong>ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM)</strong></td>
<td>25038-36-2</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-09-27</td>
<td>0.50 - 1.00</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Polymer</td>
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<tr>
<td>SUBSTANCE NOTES:</td>
<td>Gasket.</td>
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<td><strong>LIMESTONE, CALCIUM CARBONATE</strong></td>
<td>1317-65-3</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-09-27</td>
<td>0.50 - 2.50</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Filler; Extender</td>
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<td>Daylighting Roof Hatch</td>
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<td>hpdrepository.hpd-collaborative.org</td>
<td>HPD v2.1.1 created via HPDC Builder Page 4 of 13</td>
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<tr>
<td>Substance Notes</td>
<td>Silicone and Silicones, DI-Me, Hydroxy-Terminated</td>
<td>Fumed Silica, Crystalline-Free</td>
<td>Cellulose Pulp</td>
<td>Continuous Filament Glass Fiber, Non-Respirable</td>
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<tr>
<td>Sealant, sealant tape, powder coating, vinyl handle. Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern).</td>
<td>70131-67-8</td>
<td>112945-52-5</td>
<td>65996-61-4</td>
<td>65997-17-3</td>
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<td>0.20 - 0.50</td>
<td>BM-2</td>
<td>LT-P1</td>
<td>0.10 - 1.00</td>
<td>LT-UNK</td>
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<tr>
<td>BM-2</td>
<td>None</td>
<td>None</td>
<td>NoGS</td>
<td>LT-UNK</td>
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<td>None</td>
<td>None</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
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<td>No warnings found on HPD Priority Hazard Lists</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td>Cancer - Category 1A [H350]</td>
<td>Cancer - Category 1A [H350]</td>
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<tr>
<td>Carcinogenicity - Category 1A [H350]</td>
<td>May cause cancer by inhalation</td>
<td></td>
<td></td>
<td>Daylighting Roof Hatch</td>
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<td>HPD v2.1.1 created via HPDC Builder Page 5 of 13</td>
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<tr>
<td>Substance</td>
<td>ID</td>
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<td>HAZARD SCREENING DATE</td>
<td>%:</td>
<td>GS</td>
<td>RC</td>
<td>NANO</td>
<td>ROLE</td>
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</tr>
</tbody>
</table>
| **CARBON BLACK**   | 1333-86-4| Pharos Chemical and Materials Library    | 2019-09-27            | 0.10 - 0.50 | LT-1 | None | No   | Pigment    | None found
|                    |          |                                          |                       |    |    |    |      |            | No warnings found on HPD Priority Hazard Lists                            |
|                    |          |                                          |                       |    |    |    |      |            | SUBSTANCE NOTES: Gasket, sealant tape, insulation. Form-specific hazards: airborne particles of respirable size – occupational setting. |
| **BUTYL RUBBER**   | 9010-85-9| Pharos Chemical and Materials Library    | 2019-09-27            | 0.10 - 0.50 | LT-UNK | None | No   | Base Polymer | None found
|                    |          |                                          |                       |    |    |    |      |            | No warnings found on HPD Priority Hazard Lists                            |
|                    |          |                                          |                       |    |    |    |      |            | SUBSTANCE NOTES: Sealant tape.                                             |
| **KAOLIN CLAY**    | 1332-58-7| Pharos Chemical and Materials Library    | 2019-09-27            | 0.10 - 1.00 | LT-UNK | None | No   | Filler; Extender | None found
|                    |          |                                          |                       |    |    |    |      |            | No warnings found on HPD Priority Hazard Lists                            |
|                    |          |                                          |                       |    |    |    |      |            | SUBSTANCE NOTES: Sealant tape. Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). |
**ANOX 20**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27  
**%:** 0.10 - 0.50  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Antioxidant

**HAZARD TYPE**  
None found

**AGENCY AND LIST TITLES**  
None found

**WARNINGS**  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Sealant tape. Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern).

---

**DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27  
**%:** 0.10 - 0.30  
**GS:** LT-1  
**RC:** None  
**NANO:** No  
**ROLE:** Solvent

**HAZARD TYPE**  
None found

**AGENCY AND LIST TITLES**  
None found

**WARNINGS**  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Sealant and sealant tape. May also include CASRN 64741-88-4 (LT-1 | CAN).

---

**POLYBUTENE**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27  
**%:** 0.05 - 0.20  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Base Polymer

**HAZARD TYPE**  
None found

**AGENCY AND LIST TITLES**  
None found

**WARNINGS**  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Sealant tape.

---

**TALC**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27  
**%:** 0.05 - 0.15  
**GS:** BM-1  
**RC:** None  
**NANO:** No  
**ROLE:** Filler

**HAZARD TYPE**  
None found

**AGENCY AND LIST TITLES**  
None found

**WARNINGS**  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Sealant tape.
### Zinc

**ID:** 7440-66-6

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.03 - 1.70</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Metallic Coating</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

- **ACUTE AQUATIC**  
  EU - GHS (H-Statements)  
  H400 - Very toxic to aquatic life

- **CHRON AQUATIC**  
  EU - GHS (H-Statements)  
  H410 - Very toxic to aquatic life with long lasting effects

- **PHYSICAL HAZARD (REACTIVE)**  
  EU - GHS (H-Statements)  
  H250 - Catches fire spontaneously if exposed to air

- **PHYSICAL HAZARD (REACTIVE)**  
  EU - GHS (H-Statements)  
  H260 - In contact with water releases flammable gases which may ignite spontaneously

- **ENDOCRINE**  
  TEDX - Potential Endocrine Disruptors  
  Potential Endocrine Disruptor

- **MULTIPLE**  
  German FEA - Substances Hazardous to Waters  
  Class 2 - Hazard to Waters

**SUBSTANCE NOTES:** Alternate galvannealed steel body, brackets, latch, hasp, various hardware.

### Polyvinyl Chloride (PVC)

**ID:** 9002-86-2

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.01 - 0.10</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Polymer</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

- **RESPIRATORY**  
  AOEC - Asthmagens  
  Asthmagen (Rs) - sensitizer-induced

**SUBSTANCE NOTES:** Vinyl grip handle.

### Pentane

**ID:** 109-66-0

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impurity/Residual</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Impurity/Residual</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

- **CANCER**  
  IARC  
  Group 2b - Possibly carcinogenic to humans

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

**SUBSTANCE NOTES:** Sealant tape. GreenScreen Benchmark® assessment score of BM-1 was provided by the HPD Builder Tool. GreenScreen® Assessment for Talc (CAS# 14807-96-6) assigns the following GreenScreen® Benchmark Scores for Relevant Routes of Exposure: Inhalation (BM-1); Oral (BM-3DG); Dermal (BM-U).
### HAZARD TYPE

| CHRON AQUATIC | EU - GHS (H-Statements) | H411 - Toxic to aquatic life with long lasting effects |
| PHYSICAL HAZARD (REACTIVE) | EU - GHS (H-Statements) | H225 - Highly flammable liquid and vapour |
| MAMMALIAN | EU - GHS (H-Statements) | H304 - May be fatal if swallowed and enters airways |
| MULTIPLE | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |

#### SUBSTANCE NOTES:
Blowing agent used in polyisocyanurate foam.

---

**TRIGLYCIDYL ISOCYANURATE (TGIC)**

**ID:** 2451-62-9

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2019-09-27</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.00 - 0.10</td>
<td>GS: LT-1</td>
</tr>
</tbody>
</table>

#### HAZARD TYPE

| RESPIRATORY | AOEC - Asthmagens | Asthmagen (Rs) - sensitizer-induced |
| GENE MUTATION | EU - SVHC Authorisation List | Mutagenic - Candidate list |
| MAMMALIAN | EU - GHS (H-Statements) | H301 - Toxic if swallowed |
| SKIN SENSITIZE | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction |
| EYE IRRITATION | EU - GHS (H-Statements) | H318 - Causes serious eye damage |
| MAMMALIAN | EU - GHS (H-Statements) | H331 - Toxic if inhaled |
| GENE MUTATION | EU - GHS (H-Statements) | H340 - May cause genetic defects |
| GENE MUTATION | EU - REACH Annex XVII CMRs | Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man |
| MULTIPLE | ChemSec - SIN List | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant |
| MULTIPLE | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |
| RESPIRATORY | MAK | Sensitizing Substance Sah - Danger of airway & skin sensitization |
| GENE MUTATION | GHS - Korea | Germ cell mutagenicity - Category 1 [H340 - May cause genetic defects] |
| GENE MUTATION | EU - Annex VI CMRs | Mutagen - Category 1B |
| GENE MUTATION | GHS - New Zealand | 6.6A - Known or presumed human mutagens |
| GENE MUTATION | GHS - Japan | Germ cell mutagenicity - Category 1B [H340] |

#### SUBSTANCE NOTES:
Powder coating for alternate galvannealed steel body.
### Polystyrene

**ID:** 9003-53-6  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27  
**%:** 0.00 - 1.50  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Insulation

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

None found  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Alternate insulation for cover.

### Pigment Resin

**ID:** Undisclosed  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27  
**%:** 0.00 - 1.50  
**GS:** NoGS  
**RC:** None  
**NANO:** No  
**ROLE:** Resin Binder

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

None found  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Powder coating available on alternate galvannealed steel body. Supplier has shared substance identity under the terms of a non-disclosure agreement; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 3.1.

### Alumina Trihydrate

**ID:** 21645-51-2  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27  
**%:** 0.00 - 1.00  
**GS:** BM-2  
**RC:** None  
**NANO:** No  
**ROLE:** Filler; Pigment

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

**RESPIRATORY**  
**AOEC - Asthmagens**  
**Asthmagen (Rs) - sensitizer-induced**

**SUBSTANCE NOTES:** Powder coating for alternate galvannealed steel body. GreenScreen Benchmark® assessment score of BM-2 was provided by the HPD Builder Tool.

### Ferric Oxide

**ID:** 1309-37-1  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27  
**%:** 0.00 - 1.00  
**GS:** BM-2  
**RC:** None  
**NANO:** No  
**ROLE:** Pigment

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

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

**SUBSTANCE NOTES:** Powder coating for alternate galvannealed steel body. GreenScreen Benchmark® assessment score of BM-2 was provided by the HPD Builder Tool.
## TITANIUM DIOXIDE

**ID:** 13463-67-7

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-09-27

<table>
<thead>
<tr>
<th>%:</th>
<th>0.00 - 1.00</th>
<th>GS:</th>
<th>LT-1</th>
<th>RC:</th>
<th>None</th>
<th>NANO:</th>
<th>No</th>
<th>ROLE:</th>
<th>Pigment</th>
</tr>
</thead>
</table>

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

**SUBSTANCE NOTES:** Powder coating for alternate galvannealed steel body. Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). Form-specific hazards: airborne particles of respirable size – occupational setting.
## 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>2019-09-27</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>N/A</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></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.

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:</td>
<td>OSHA compliant fall protection safety railings and posts specifically designed for Roof Hatches, Smoke Vents and Floor Doors.</td>
</tr>
</tbody>
</table>

## Section 5: General Notes
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
SK1 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.
Aluminum Safety Railing
by Nystrom

CLASSIFICATION: 05 52 00 Metals: Metal Railings

PRODUCT DESCRIPTION: Nystrom offers OSHA compliant fall protection safety railings and posts specifically designed for Roof Hatches, Smoke Vents and Floor Doors. This HPD covers Roof Hatch Safety Railing (SRC), Ladder Post (SP), Grab Bar (SGB). Floor Door Safety Railing (SRTA), and Smoke Vent Safety Railing (SRV, SRTA).

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

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

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/or one or more Special Condition did not follow guidance.

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
--- | --- | --- | --- | ---
ALUMINUM SAFETY RAILING | 6061 ALUMINUM | RES | PHY | END
STEEL | NDOS | UNDISCLOSED | NOOS | TITANIUM DIOXIDE | LT-1 | CAN | END
ZINC | LT-01 | AQU | PHY | END | MUL | SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES | LT-1 | CAN | MUL

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.1.1, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product, along with the role and percent weight. Substances not "Identified" are those considered proprietary to suppliers.

VOC CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

See Section 3 for additional listings.

VOC emissions: Inherently non-emitting source per LEED®

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Preparer: Self-Prepared
Verifier:
Verification #: 

Third Party Verified?
- Yes
- No

SCREENING DATE: 2019-08-07
PUBLISHED DATE: 2019-09-26
EXPIRY DATE: 2022-08-07
Section 2: Content in Descending Order of Quantity

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)

### ALUMINUM SAFETY RAILING

**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. More than 99% of this product consists of metal alloys, for which Pharos CML may consider the various alloying elements as "Known or Potential Residuals". Therefore, these components have been included in the Substance Notes instead of as individual content entries. Components are listed by name, CASRN, percent by weight (as per supplier SDS), and relevant GreenScreen score.

**OTHER PRODUCT NOTES:** Percent by weight of substances given as ranges to account for material differences between product lines.

#### 6061 ALUMINUM

**ID:** 7429-90-5

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-08-07

<table>
<thead>
<tr>
<th>%: 57.50 - 60.00</th>
<th>GS: LT-P1</th>
<th>RC: Both</th>
<th>NANO: No</th>
<th>ROLE: Base Metal</th>
</tr>
</thead>
</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:** Rail; gate; post. Recycled content confirmed by suppliers to range from 5% to 80%, with an average recycled content of 35%. Documentation from suppliers provide the following composition for alloying elements that may individually exceed the declared threshold: <6.6% Magnesium [7439-95-4; LT-UNK]; <2.0% Silicon [7440-21-3; LT-UNK]; <1.8% Iron [7439-89-6; LT-P1]; <1.1% Chromium [7440-47-3; LT-P1]; <1.5% Copper [7440-50-8; LT-UNK]; <4.0% Zinc [7440-66-6; LT-P1]; <1.0% Manganese [7439-96-5; LT-P1]; <0.5% Vanadium [7440-62-2; LT-1]; 0.2% Titanium [7440-32-6; LT-UNK]. May also include 5052 Aluminum for gate assembly. 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.

#### STEEL

**ID:** 12597-69-2

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-08-07

<table>
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<tr>
<th>%: 39.50 - 41.00</th>
<th>GS: NoGS</th>
<th>RC: Both</th>
<th>NANO: No</th>
<th>ROLE: Base Metal</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-08-07

<table>
<thead>
<tr>
<th>%: 39.50 - 41.00</th>
<th>GS: NoGS</th>
<th>RC: Both</th>
<th>NANO: No</th>
<th>ROLE: Base Metal</th>
</tr>
</thead>
</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:** Rail; gate; post. Recycled content confirmed by suppliers to range from 5% to 80%, with an average recycled content of 35%. Documentation from suppliers provide the following composition for alloying elements that may individually exceed the declared threshold: <6.6% Magnesium [7439-95-4; LT-UNK]; <2.0% Silicon [7440-21-3; LT-UNK]; <1.8% Iron [7439-89-6; LT-P1]; <1.1% Chromium [7440-47-3; LT-P1]; <1.5% Copper [7440-50-8; LT-UNK]; <4.0% Zinc [7440-66-6; LT-P1]; <1.0% Manganese [7439-96-5; LT-P1]; <0.5% Vanadium [7440-62-2; LT-1]; 0.2% Titanium [7440-32-6; LT-UNK]. May also include 5052 Aluminum for gate assembly. 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.
HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Chain; clamp; plate; mixed hardware. Recycled content confirmed by suppliers for steel used in product ranges from 18.5% total (14.0% pre-consumer and 4.5% post-consumer recycled scrap) to 97.8% total (36.5% pre-consumer and 61.3% post-consumer recycled scrap). Documentation from suppliers provide the following composition for alloying elements that may individually exceed the declared threshold: <3.1% Silicon [7440-21-3; LT-UNK]; <2.5% Manganese [7439-96-5; LT-P1]; <1.6% Aluminum [7429-90-5; LT-P1]; <4.0% Nickel [7440-02-0; LT-1]; <3.0% Chromium [7440-47-3; LT-P1].

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-08-07

%: 0.50 - 1.50

GS: NoGS

Role: Pigment Resin

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Yellow powder coating. Supplier has shared substance identity under the terms of a non-disclosure agreement; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-08-07

%: 0.10 - 0.30

GS: LT-1

Role: Pigment

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Yellow powder coating.

ZINC

ID: 7440-66-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-08-07

%: 0.01 - 0.10

GS: LT-P1

Role: Metallic Coating

Aluminum Safety Railing
hpdrepository.hpd-collaborative.org

HPD v2.1.1 created via HPDC Builder Page 3 of 6
### Hazards

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Agency and List Titles</th>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Aquatic</td>
<td>EU - GHS (H-Statements)</td>
<td>H400 - Very toxic to aquatic life</td>
</tr>
<tr>
<td>Chronic Aquatic</td>
<td>EU - GHS (H-Statements)</td>
<td>H410 - Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>Physical Hazard (Reactive)</td>
<td>EU - GHS (H-Statements)</td>
<td>H250 - Catches fire spontaneously if exposed to air</td>
</tr>
<tr>
<td>Physical Hazard (Reactive)</td>
<td>EU - GHS (H-Statements)</td>
<td>H260 - In contact with water releases flammable gases which may ignite spontaneously</td>
</tr>
<tr>
<td>Endocrine</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>Multiple</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
</tr>
</tbody>
</table>

### Substance Notes

Chain; mixed hardware.

---

### Solvent-Dewaxed Heavy Paraffinic Petroleum Distillates

ID: 64742-65-0

<table>
<thead>
<tr>
<th>Hazard Screening Method</th>
<th>Hazard Screening Date</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharos Chemical and Materials Library</td>
<td>2019-08-07</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>%: Impurity/Residual</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Impurity/Residual</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Agency and List Titles</th>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cancer</td>
<td>EU - GHS (H-Statements)</td>
<td>H350 - May cause cancer</td>
</tr>
<tr>
<td>Cancer</td>
<td>EU - REACH Annex XVII CMRs</td>
<td>Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man</td>
</tr>
<tr>
<td>Multiple</td>
<td>ChemSec - SIN List</td>
<td>CMR - Carcinogen, Mutagen &amp;/or Reproductive Toxicant</td>
</tr>
<tr>
<td>Cancer</td>
<td>EU - Annex VI CMRs</td>
<td>Carcinogen Category 1B - Presumed Carcinogen based on animal evidence</td>
</tr>
<tr>
<td>Cancer</td>
<td>GHS - Australia</td>
<td>H350 - May cause cancer</td>
</tr>
</tbody>
</table>

### Substance Notes

Potential residual from processing oil. May also include 64742-53-6 (LT-1; CAN | MUL).
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.

VOC EMISSIONS

Inherently non-emitting source per LEED®

| CERTIFYING PARTY: | Self-declared | ISSUE DATE: | 2019-08-07 |
| APPlicable FACILITIES: | All |
| CERTIFICATE URL: |

CERTIFICATION AND COMPLIANCE NOTES: This product qualifies as an inherently non-emitting source per LEED, as ~99% of the product consists of powder-coated metal and/or plated or anodized metal. As per LEED, "Products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood) are considered fully compliant without any VOC emissions testing if they do not include integral organic-based surface coatings, binders, or sealants."

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.

No accessories are required for this product.

Section 5: General Notes
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
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.