

**CLASSIFICATION:** 08 11 00

**PRODUCT DESCRIPTION:** The heavy-duty 2030 Series Pacer® closers are designed for concealment in a narrow minimum 1-3/4" aluminum transom, meeting ANSI/BHMA A156.4 Grade 1 and the American Disabilities Act (ADA) reduced opening force requirements. A forged steel single-lever arm and roller assembly for the 2030 Series provide smooth, quiet door control, with separate regulation of general closing speed and latching speed. . 2030 Series is UL and cUL listed for self-closing doors without hold-open and carry a 15-year limited warranty.

## 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

*Are All Substances Above the Threshold Indicated:*

**Characterized**  Yes  No

*Percent Weight and Role Provided?*

**Screened**  Yes  No

*Using Priority Hazard Lists with Results Disclosed?*

**Identified**  Yes  No

*Name and Identifier Provided?*

### 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**

LCN 2030 DOOR CLOSERS [ IRON LT-P1 | END FERRYL IRON NoGS UNS G10200 CARBON OR STEEL ALLOY NoGS UNS G92540 CARBON OR STEEL ALLOY NoGS UNS G10400 CARBON OR STEEL ALLOY NoGS UNS G12150 CARBON OR STEEL ALLOY NoGS DISTILLATES (PETROLEUM), HYDROTREATED (MILD) LIGHT NAPHTHENIC (9CI) LT-1 | CAN | MUL STODDARD SOLVENT LT-1 | MAM | GEN | CAN | MUL UNS G41400 CARBON OR STEEL ALLOY NoGS UNS G12144 CARBON OR STEEL ALLOY NoGS CARBON LT-UNK SILICON LT-UNK HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL) LT-1 | CAN | MUL CARBONIC DICHLORIDE, POLYMER WITH 4,4'-(1-METHYLETHYLIDENE)BIS[PHENOL] LT-UNK MPIF FX-2008-60 COPPER-INFILTRATED STEEL POWDER NoGS UNS G10080 CARBON OR STEEL ALLOY NoGS UNS G10180 CARBON OR STEEL ALLOY NoGS UNS S41000 STAINLESS STEEL ALLOY NoGS UNS G40370 CARBON OR STEEL ALLOY NoGS UNS A92011 ALUMINUM ALLOY NoGS MANGANESE LT-P1 | END | MUL | REP UNDISCLOSED LT-P1 | RES 2-PROPENENITRILE, POLYMER WITH 1,3-BUTADIENE LT-UNK 2-PROPENENITRILE, POLYMER WITH 1,3-BUTADIENE LT-UNK CARBON BLACK LT-1 | CAN CLAY TREATED PARAFFIN WAX LT-UNK ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE) BM-2 | SKI | EYE | END BENZENESULFONIC ACID, DI-C10-18-ALKYL DERIVS., BARIUM SALTS NoGS ]

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:

One CAS number is not identified. However, the chemical has been characterized and screened.

### 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: Inherently non-emitting source per LEED®

### 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: **2018-09-05**

PUBLISHED DATE: **2018-09-11**

EXPIRY DATE: **2021-09-05**



## 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, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

### LCN 2030 DOOR CLOSERS

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals considered through research and communication within company and suppliers.

OTHER PRODUCT NOTES: N/A

#### IRON

ID: 7439-89-6

#: 21.0000 - 23.0000	GS: LT-P1	RC: UNK	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: This substance is part of the steel alloy matrix. Range due to possible variations in alloy. Due to the commodity nature of steel, the status of recycled content is unknown.

#### FERRYL IRON

ID: 14127-53-8

#: 18.0000 - 20.0000	GS: NoGS	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is part of the steel alloy matrix. Range due to possible variations in alloy. Due to the commodity nature of steel, the status of recycled content is unknown.

#### UNS G10200 CARBON OR STEEL ALLOY

ID: Not registered

#: 7.0000 - 9.0000	GS: NoGS	RC: UNK	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to different functions available to customers. Due to the commodity nature of steel, the status of recycled content is unknown.

**UNS G92540 CARBON OR STEEL ALLOY**ID: **Not registered**

%: <b>5.0000 - 7.0000</b>	GS: <b>NoGS</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Body</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to different functions available to customers. Due to the commodity nature of steel, the status of recycled content is unknown.

**UNS G10400 CARBON OR STEEL ALLOY**ID: **Not registered**

%: <b>5.0000 - 7.0000</b>	GS: <b>NoGS</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Body</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to different functions available to customers. Due to the commodity nature of steel, the status of recycled content is unknown.

**UNS G12150 CARBON OR STEEL ALLOY**ID: **Not registered**

%: <b>5.0000 - 7.0000</b>	GS: <b>NoGS</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Body</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to different functions available to customers. Due to the commodity nature of steel, the status of recycled content is unknown.

**DISTILLATES (PETROLEUM), HYDROTREATED (MILD) LIGHT NAPHTHENIC (9CI)**ID: **64742-53-6**

%: <b>3.0000 - 7.0000</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Hydraulic Oil</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - GHS (H-Statements)

H350 - May cause cancer

CANCER

EU - REACH Annex XVII CMRs

Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &amp;/or Reproductive Toxicant

CANCER

EU - Annex VI CMRs

Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

CANCER

Australia - GHS

H350 - May cause cancer

SUBSTANCE NOTES: A range is provided to protect the proprietary nature of the formulation.

**STODDARD SOLVENT**

ID: 8052-41-3

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
%: <b>3.0000 - 6.0000</b>	GS: <b>LT-1</b>	RC: <b>None</b>
		NANO: <b>No</b>
		ROLE: <b>Lubricant</b>
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	Malaysia - GHS	H340 - May cause genetic defects
CANCER	Malaysia - GHS	H350 - May cause cancer
GENE MUTATION	Australia - GHS	H340 - May cause genetic defects
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the supplier's formulation.

**UNS G41400 CARBON OR STEEL ALLOY**

ID: **Not registered**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
%: <b>2.0000 - 3.0000</b>	GS: <b>NoGS</b>	RC: <b>UNK</b>
		NANO: <b>No</b>
		ROLE: <b>Body</b>
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: Range due to different functions available to customers. Due to the commodity nature of steel, the status of recycled content is unknown.

**UNS G12144 CARBON OR STEEL ALLOY**

ID: **Not registered**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
%: <b>1.0000 - 2.0000</b>	GS: <b>NoGS</b>	RC: <b>UNK</b>
		NANO: <b>No</b>
		ROLE: <b>Body</b>
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: Range due to different functions available to customers. Due to the commodity nature of steel, the status of recycled content is unknown.

## CARBON

ID: 7440-44-0

#: **1.0000 - 1.5000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Internal Part and Body Metal**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is part of the steel alloy matrix. Range due to possible variations in alloy. Due to the commodity nature of steel, the status of recycled content is unknown.

## SILICON

ID: 7440-21-3

#: **0.5000 - 1.5000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Body**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is part of the steel alloy matrix. Range due to possible variations in alloy. Due to the commodity nature of steel, the status of recycled content is unknown.

## HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL)

ID: 64742-54-7

#: **0.5000 - 1.5000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - GHS (H-Statements)

H350 - May cause cancer

CANCER

EU - REACH Annex XVII CMRs

Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

CANCER

EU - Annex VI CMRs

Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

CANCER

Australia - GHS

H350 - May cause cancer

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the supplier's formulation.

## CARBONIC DICHLORIDE, POLYMER WITH 4,4'-(1-METHYLETHYLIDENE)BIS[PHENOL]

ID: 25971-63-5

#: **0.0500 - 0.2000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Internal Part**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is provided to protect the proprietary nature of the formulation.

**MPIF FX-2008-60 COPPER-INFILTRATED STEEL POWDER**

ID: **Not registered**

#: **0.0000 - 1.0000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Body**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to different functions available to customers. Due to the commodity nature of steel, the status of recycled content is unknown.

**UNS G10080 CARBON OR STEEL ALLOY**

ID: **Not registered**

#: **0.0000 - 1.0000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Body**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to different functions available to customers. Due to the commodity nature of steel, the status of recycled content is unknown.

**UNS G10180 CARBON OR STEEL ALLOY**

ID: **Not registered**

#: **0.0000 - 0.5000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Body**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to different functions available to customers. Due to the commodity nature of steel, the status of recycled content is unknown.

**UNS S41000 STAINLESS STEEL ALLOY**

ID: **Not registered**

#: **0.0000 - 0.5000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Body**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to different functions available to customers. Due to the commodity nature of stainless steel, the status of recycled content is unknown.

**UNS G40370 CARBON OR STEEL ALLOY**

ID: **Not registered**

#: **0.0000 - 0.5000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Body**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to different functions available to customers. Due to the commodity nature of steel, the status of recycled content is unknown.

**UNS A92011 ALUMINUM ALLOY**

ID: **Not registered**

#: **0.0000 - 0.5000**      GS: **NoGS**      RC: **UNK**      NANO: **No**      ROLE: **Body**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to different functions available to customers. Due to the commodity nature of aluminum alloy, the status of recycled content is unknown.

**MANGANESE**

ID: **7439-96-5**

#: **0.0000 - 0.5000**      GS: **LT-P1**      RC: **UNK**      NANO: **No**      ROLE: **Body**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
ENDOCRINE	TEDX - Potential Endocrine Disruptors      Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters      Class 2 - Hazard to Waters
REPRODUCTIVE	Japan - GHS      Toxic to reproduction - Category 1B

SUBSTANCE NOTES: This substance is part of the steel alloy matrix. Range due to possible variations in alloy. Due to the commodity nature of steel, the status of recycled content is unknown.

**UNDISCLOSED**

#: **0.0000 - 3.0000**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Hydraulic Oil**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
RESPIRATORY	AOEC - Asthmagens      Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: A range is provided to protect the proprietary nature of the formulation.

**2-PROPENENITRILE, POLYMER WITH 1,3-BUTADIENE**

ID: **9003-18-3**

#: **0.0000 - 0.2000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Internal Part**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is provided to protect the proprietary nature of the formulation.

**2-PROPENENITRILE, POLYMER WITH 1,3-BUTADIENE**

ID: 9003-18-3

%: **0.0000 - 0.2000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Internal Part**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is provided to protect the proprietary nature of the formulation.

**CARBON BLACK**

ID: 1333-86-4

%: **0.0000 - 0.2000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Internal Part**

HAZARDS:

AGENCY(IES) WITH 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

CANCER

MAK

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

SUBSTANCE NOTES: A range is provided to protect the proprietary nature of the formulation.

**CLAY TREATED PARAFFIN WAX**

ID: 64742-43-4

%: **0.0000 - 0.5000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the supplier's formulation.

**ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE)**

ID: 111-76-2

%: **0.0000 - 0.5000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the supplier's formulation.

**BENZENESULFONIC ACID, DI-C10-18-ALKYL DERIVS., BARIUM SALTS**

ID: 93820-55-4

%, **0.0000 - 0.5000**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Lubricant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the supplier's formulation.

## 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: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **N/A**

APPLICABLE FACILITIES: **All**

**09-05**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

## 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

This HPD represents the LCN 2030 series door closers.



## MANUFACTURER INFORMATION

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MANUFACTURER: **Allegion**  
ADDRESS: **121 W Railroad Ave**  
**Princeton IL 61356, USA**  
WEBSITE: **www.allegion.com**

CONTACT NAME: **Tim Weller**  
TITLE: **Manager of Codes, Standards and Sustainability**  
PHONE: **317-810-3751**  
EMAIL: **tim.weller@allegion.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

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

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

### 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.*