

**CLASSIFICATION:** 08 71 00

**PRODUCT DESCRIPTION:** The Schlage L9000 Series of lock are mortise locks ideal for use in schools, hospitals and factories, where the finest hardware must also deliver consistent, dependable operation and stand up to constant use and abuse. This HPD presents the materials necessary for functions and options that are available in the L9000 line.

## 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**

SCHLAGE L9000 SERIES [ IRON LT-P1 | END COPPER LT-UNK  
CHROMIUM LT-P1 | RES | END | SKI ZINC LT-P1 | AQU | END | MUL | PHY  
NICKEL LT-1 | CAN | RES | SKI | MAM | MUL MANGANESE LT-P1 | END |  
MUL | REP PHOSPHORUS BM-2 | MAM | PHY TUNGSTEN METAL LT-UNK  
VANADIUM LT-1 | MUL | CAN | GEN CHROMIUM (III), INSOLUBLE SALTS  
LT-P1 | END | SKI TIN LT-P1 LEAD LT-1 | MAM | DEL | CAN | PBT | REP |  
AQU | MUL | END | GEN MOLYBDENUM LT-UNK COBALT(II) SULFATE LT-1  
| RES | CAN | REP | AQU | SKI | GEN | MUL ALUMINUM LT-P1 | RES | END |  
PHY CARBON LT-UNK SILICON LT-UNK NITRIC ACID LT-P1 | SKI | MAM |  
PHY UNDECANOIC ACID, 11-AMINO-, HOMOPOLYMER LT-UNK 1,3,5-  
TRIOXANE, POLYMER WITH 1,3-DIOXOLANE LT-UNK POLYPROPYLENE  
LT-UNK CHROMIUM HYDROXIDE SULPHATE LT-P1 | MUL | SKI WATER  
BM-4 ]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen  
Benchmark or List translator Score ... LT-1  
Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

### CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

No certifications have been added to this HPD.

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared

VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2018-03-23

PUBLISHED DATE: 2018-04-12

EXPIRY DATE: 2021-03-23



## 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)

### SCHLAGE L9000 SERIES

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were collected for all raw materials included in this product. All chemicals that fall above the stated threshold are included in this section.

OTHER PRODUCT NOTES:

#### IRON

ID: 7439-89-6

#: 70.0000 - 80.0000	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. Due to the commodity nature of steel, the status of recycled content is unknown. Range due to formulation differences in optional product functions available to the customer.

#### COPPER

ID: 7440-50-8

#: 8.0000 - 10.0000	GS: LT-UNK	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: Range due to formulation differences in optional product functions available to the customer.

#### CHROMIUM

ID: 7440-47-3

#: 7.0000 - 9.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

**ZINC**

ID: 7440-66-6

#: **7.0000 - 10.0000**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Body**

HAZARDS:	AGENCY(IES) WITH 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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

**NICKEL**

ID: 7440-02-0

#: **3.0000 - 5.0000**      GS: **LT-1**      RC: **None**      NANO: **No**      ROLE: **Body**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

## MANGANESE

ID: 7439-96-5

#: **0.5000 - 1.0000** 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. Due to the commodity nature of steel, the status of recycled content is unknown. Range due to formulation differences in optional product functions available to the customer.

## PHOSPHORUS

ID: 7723-14-0

#: **0.0000 - 0.0500** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Body**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H228 - Flammable solid

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

## TUNGSTEN METAL

ID: 7440-33-7

#: **0.0000 - 0.0500** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Body**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

## VANADIUM

ID: 7440-62-2

#: **0.0000 - 0.0500** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Body**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for

GENE MUTATION

MAK

Germ Cell Mutagen 2

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

**CHROMIUM (III), INSOLUBLE SALTS**

ID: 16065-83-1

%: 0.0000 - 0.0500

GS: LT-P1

RC: None

NANO: No

ROLE: Body

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

**TIN**

ID: 7440-31-5

%: 0.0000 - 0.5000

GS: LT-P1

RC: None

NANO: No

ROLE: Body

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

**LEAD**

ID: 7439-92-1

%: 0.0000 - 0.1000

GS: LT-1

RC: None

NANO: No

ROLE: Body

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R20 - Harmful by Inhalation (gas or vapor or dust/mist)

DEVELOPMENTAL

EU - R-phrases

R61 - May cause harm to the unborn child

DEVELOPMENTAL

G&amp;L - Neurotoxic Chemicals

Developmental Neurotoxicant

CANCER

US EPA - IRIS Carcinogens

(1986) Group B2 - Probable human Carcinogen

CANCER

IARC

Group 2a - Agent is probably Carcinogenic to humans

CANCER

IARC

Group 2b - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

DEVELOPMENTAL

CA EPA - Prop 65

Developmental toxicity

PBT

US EPA - Priority PBTs (NWMP)

Priority PBT

PBT

WA DoE - PBT

PBT

REPRODUCTIVE

CA EPA - Prop 65

Reproductive Toxicity - Female

REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
PBT	US EPA - Priority PBTs (PPT)	Priority PBT
PBT	US EPA - Toxics Release Inventory PBTs	PBT
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
REPRODUCTIVE	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity
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
DEVELOPMENTAL	EU - GHS (H-Statements)	H360Df - May damage the unborn child. Suspected of damaging fertility
REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
DEVELOPMENTAL	EU - GHS (H-Statements)	H362 - May cause harm to breast-fed children
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
REPRODUCTIVE	Korea - GHS	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1A
GENE MUTATION	MAK	Germ Cell Mutagen 3a
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

## MOLYBDENUM

ID: 7439-98-7

%: 0.0000 - 0.1000

GS: LT-UNK

RC: None

NANO: No

ROLE: Body

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

**COBALT(II) SULFATE**

ID: 10124-43-3

%: 0.0000 - 0.1000

GS: LT-1

RC: None

NANO: No

ROLE: Body

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

CANCER

CA EPA - Prop 65

Carcinogen

CANCER

US NIH - Report on Carcinogens

Reasonably Anticipated to be Human Carcinogen

CANCER

EU - SVHC Authorisation List

Carcinogenic - Prioritized for listing

REPRODUCTIVE

EU - SVHC Authorisation List

Toxic to reproduction - Prioritized for listing

CHRON AQUATIC

EU - GHS (H-Statements)

H410 - Very toxic to aquatic life with long lasting effects

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life M = 10

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

RESPIRATORY

EU - GHS (H-Statements)

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

GENE MUTATION

EU - GHS (H-Statements)

H341 - Suspected of causing genetic defects

CANCER

EU - GHS (H-Statements)

H350i - May cause cancer by inhalation

REPRODUCTIVE

EU - GHS (H-Statements)

H360F - May damage fertility

CANCER

EU - REACH Annex XVII CMRs

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

REPRODUCTIVE

EU - REACH Annex XVII CMRs

Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans

MULTIPLE

ChemSec - SIN List

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

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway &amp; skin sensitization

CANCER

EU - Annex VI CMRs

Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

GENE MUTATION

MAK

Germ Cell Mutagen 3a

REPRODUCTIVE

EU - Annex VI CMRs

Reproductive Toxicity - Category 1B

CANCER

Australia - GHS

H350 - May cause cancer

REPRODUCTIVE

Australia - GHS

H360F - May damage fertility

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

## ALUMINUM

ID: 7429-90-5

#: **0.0000 - 0.1000** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Body**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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

SUBSTANCE NOTES: This substance is part of the steel alloy matrix. Due to the commodity nature of steel, the status of recycled content is unknown. Range due to formulation differences in optional product functions available to the customer.

## CARBON

ID: 7440-44-0

#: **0.0000 - 0.2500** 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. Due to the commodity nature of steel, the status of recycled content is unknown. Range due to formulation differences in optional product functions available to the customer.

## SILICON

ID: 7440-21-3

#: **0.0000 - 0.5000** 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. Due to the commodity nature of steel, the status of recycled content is unknown. Range due to formulation differences in optional product functions available to the customer.

## NITRIC ACID

ID: 7697-37-2

#: **0.0000 - 0.0200** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Finish**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION EU - GHS (H-Statements) H314 - Causes severe skin burns and eye damage



MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H272 - May intensify fire; oxidiser
PHYSICAL HAZARD (REACTIVE)	Korea - GHS	H271 - May cause fire or explosion; strong oxidizer

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

**UNDECANOIC ACID, 11-AMINO-, HOMOPOLYMER**

ID: 25587-80-8

#: **0.0000 - 0.0200**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Lubricant Powder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

**1,3,5-TRIOXANE, POLYMER WITH 1,3-DIOXOLANE**

ID: 24969-26-4

#: **0.0000 - 0.0300**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Plastic Part**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

**POLYPROPYLENE**

ID: 9003-07-0

#: **0.0000 - 1.0000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Plastic Part**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

**CHROMIUM HYDROXIDE SULPHATE**

ID: 12336-95-7

#: **0.0000 - 0.0300**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Plating**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Range due to formulation differences in optional product functions available to the customer.

**WATER**

ID: **7732-18-5**

%: **0.0000 - 0.5000**

GS: **BM-4**

RC: **None**

NANO: **No**

ROLE: **Plating**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Range due to formulation differences in optional product functions available to the customer.**

## 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.*

## 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 is representative of the Schlage L9000 series. Specifically, it covers the following products: L9010, L9040, L9050, L9070, L9080, L9453. These variations are due to minor differences in parts, and/or configurations of those parts, which result in slightly different lock functions. These minor differences were evaluated for this HPD.



## MANUFACTURER INFORMATION

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MANUFACTURER: **Allegion**

ADDRESS: **3899 Hancock Expy**

**Colorado Springs CO 80911, USA**

WEBSITE: **<https://tinyurl.com/LSeriesMortiseLock>**

CONTACT NAME: **Tim Weller**

TITLE: **Manager of Codes, Standards and Sustainability**

PHONE: **317-810-3751**

EMAIL: **[Tim.Weller@allegion.com](mailto: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

**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.*