

# Legion Polystyrene Core Door by Assa Abloy

CLASSIFICATION: 08 11 00

PRODUCT DESCRIPTION: Regent doors are made full-flush or (optional) seamless style. Face sheets are commercial quality cold rolled steel (optional) hot-dipped galvanized steel supplied by Nucor (Alabama). Regent full-flush doors have mechanically interlocked, hemmed, hairline seams on vertical edges and have no visible seams on faces. Doors specified 'seamless' have no visible seams on faces or vertical edges. 14 gage doors are seamless vertical edge construction. A one piece, kraft honeycomb core is securely bonded to both face sheets under pressure with contact adhesive. The top and bottom door edges are closed with 16 gage steel channels welded to both face sheets.

## Section 1: Summary Nested Method / Material Threshold

### CONTENT INVENTORY

#### Inventory Reporting Format

- Nested Materials Method
- Basic Method

#### Threshold level

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

#### Residuals/Impurities

Residuals/Impurities  
Considered in 0 of 7 Materials

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

Are All Substances Above the Threshold Indicated:

**Characterized**  
Percent Weight and Role Provided?  Yes  No

**Screened**  
Using Priority Hazard Lists with Results Disclosed?  Yes  No

**Identified**  
Name and Identifier Provided?  Yes  No

#### Threshold Disclosed Per

- Material
- Product

### 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](#)

STEEL | IRON **LT-UNK** | MANGANESE **LT-P1** | END NICKEL **LT-1** | MAM | CAN | SKI | AQU | RES ZINC **LT-P1** | AQU | RES | PHY | POLYSTYRENE CORE | POLYSTYRENE **LT-UNK** | HENKEL 563R ADHESIVE PRIMER | ACETONE **LT-P1** | EYE | PHY | END | DEL SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC **LT-1** | CAN | GEN | MAM | MUL N-HEPTANE, BRANCHED, CYCLIC AND LINEAR **UNK** N-HEXANE **LT-P1** | MAM | SKI | AQU | REP | PHY | MUL | END TOLUENE **LT-1** | MAM | SKI | DEL | REP | PHY | END | MUL P-TERT-BUTYLPHENOL FORMALDEHYDE **LT-UNK** CYCLOHEXANE **LT-P1** | SKI | AQU | PHY | MAM | MUL N-HEPTANE **LT-P1** | SKI | AQU | PHY | MAM | MUL MAGNESIUM OXIDE **LT-UNK** ZINC OXIDE **LT-P1** | AQU | RES | MUL ROSIN BINDERS **UNK** | HENKEL 318R WATER-BASED ADHESIVE | WATER **UNK** ROSIN, POLYMER WITH PHENOL **LT-UNK** TOLUENE **LT-1** | MAM | SKI | DEL | REP | PHY | END | MUL ZINC OXIDE **LT-P1** | AQU | RES | MUL DIETHANOLAMINE **LT-1** | MAM | SKI | EYE | RES | CAN | END | GRAY PRIMER (WATER BASED) | WATER **UNK** ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE) **LT-P1** | MAM | EYE | SKI | END | CAN LIMESTONE, CALCIUM CARBONATE **LT-UNK** | CAN | #3500 EPOXY PART A | EPICHLOROHYDRIN-BISPHENOL A RESIN **LT-P1** | EYE | SKI | AQU | MUL | REP | DEL LIMESTONE, CALCIUM CARBONATE **LT-UNK** FUMED SILICA, CRYSTALLINE-FREE **LT-UNK** | #3500 EPOXY PART B | TRIETHYLENETETRAMINE **LT-P1** | MAM | SKI | AQU | RES | MUL KAOLIN CLAY **LT-UNK** | CAN FUMED SILICA, CRYSTALLINE-FREE **LT-UNK** |

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:

Residuals not considered as impacts are not considered to be significant

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

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

LCA: Environmental Product Declaration  
Other: Declare Label

#### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2016-12-01

PUBLISHED DATE: 2018-05-24  
EXPIRY DATE: 2019-12-01

## 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)

### STEEL

#: 96.6500 - 96.6500

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES: Material included in the following components: Bottom Door Skin .042 X 41.0000 X 83.2500 CRCQ; Top Door Skin .042 X 38.0000 X 83.2500 CRCQ; Closer Reinforcement - 6" x 20" 14 ga CRS; Top End Channel EC34/30T - 3/4" LEG; Bottom End Channel EC34/30B - 3/4" LEG; Hinge Reinforcement 4.5.134.180HR/16DR1614FR; and Lock Reinforcement - Cylindrical

### IRON

ID: 7439-89-6

#: 95.0000 - 95.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Iron

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Structural Component

### MANGANESE

ID: 7439-96-5

#: 2.0000 - 2.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Manganese

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Structural Component

### NICKEL

ID: 7440-02-0

#: 0.2000 - 0.2000

GS: LT-1

RC: None

NANO: No

ROLE: Nickel

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R23 - Toxic by Inhalation (gas, vapour, dust/mist)

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

ORGAN TOXICANT

EU - R-phrases

R48: Danger of serious damage to health by prolonged exposure.

ACUTE AQUATIC

EU - R-phrases

R52 - Harmful to Aquatic Organisms

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 IRRITATION

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

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: Structural Component

### ZINC

ID: 7440-66-6

#: 0.1500 - 9.1000

GS: LT-P1

RC: None

NANO: No

ROLE: Zinc

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
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

SUBSTANCE NOTES: Structural Component

**POLYSTYRENE CORE**

%: 1.7800 - 1.7800

HPD URL:

MATERIAL THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

**POLYSTYRENE** ID: 9003-53-6

%: 100.0000 - 100.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: POLYSTYRENE
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

SUBSTANCE NOTES: Core Component

**HENKEL 563R ADHESIVE PRIMER**

%: 0.8700 - 0.8700

HPD URL:

MATERIAL THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

**ACETONE** ID: 67-64-1

%: 30.0000 - 60.0000	GS: LT-P1	RC: None	NANO: No	ROLE: ACETONE
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes		
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour		
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
DEVELOPMENTAL	MAK	Pregnancy Risk Group B		

SUBSTANCE NOTES: Adhesive Primer Component

**SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC**

ID: 64742-89-8

%: 10.0000 - 30.0000	GS: LT-1	RC: None	NANO: No	ROLE: SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	EU - R-phrases	R45 - May cause cancer		
GENE MUTATION	EU - R-phrases	R46 - May cause heritable genetic damage		
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		
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	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence		
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B		

SUBSTANCE NOTES: Adhesive Primer Component

%: 10.0000 - 30.0000

GS: UNK

RC: None

NANO: No

ROLE: N-HEPTANE, BRANCHED, CYCLIC AND LINEAR

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Adhesive Primer Component

## N-HEXANE

ID: 110-54-3

%: 10.0000 - 30.0000

GS: LT-P1

RC: None

NANO: No

ROLE: N-HEXANE

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

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

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

ORGAN TOXICANT

EU - R-phrases

R48: Danger of serious damage to health by prolonged exposure.

ACUTE AQUATIC

EU - R-phrases

R51 - Toxic to Aquatic Organisms

REPRODUCTIVE

EU - R-phrases

R62 - Possible risk of impaired fertility

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

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

REPRODUCTIVE

EU - GHS (H-Statements)

H361f - Suspected of damaging fertility

MULTIPLE

ChemSec - SIN List

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

ENDOCRINE

ChemSec - SIN List

Endocrine Disruptor

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Adhesive Primer Component

## TOLUENE

ID: 108-88-3

%: 5.0000 - 10.0000

GS: LT-1

RC: None

NANO: No

ROLE: TOLUENE

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

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

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

ORGAN TOXICANT

EU - R-phrases

R48: Danger of serious damage to health by prolonged exposure.

DEVELOPMENTAL

EU - R-phrases

R63 - Possible risk of harm to the unborn child

DEVELOPMENTAL

G&amp;L - Neurotoxic Chemicals

Developmental Neurotoxicant

DEVELOPMENTAL

CA EPA - Prop 65

Developmental toxicity

REPRODUCTIVE

CA EPA - Prop 65

Developmental Toxicity - Female

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

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

DEVELOPMENTAL

EU - GHS (H-Statements)

H361d - Suspected of damaging the unborn child

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)

H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: Adhesive Primer Component

## P-TERT-BUTYLPHENOL FORMALDEHYDE

ID: 25085-50-1

%: 1.0000 - 5.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: P-TERT-BUTYLPHENOL FORMALDEHYDE

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Adhesive Primer Component

## CYCLOHEXANE

ID: 110-82-7

HAZARDS:	AGENCY(IES) WITH WARNINGS:			
SKIN IRRITATION	EU - R-phrases	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>CYCLOHEXANE</b>
ACUTE AQUATIC	EU - R-phrases			R38 - Irritating to skin
ACUTE AQUATIC	EU - GHS (H-Statements)			R50 - Very Toxic to Aquatic Organisms
CHRON AQUATIC	EU - GHS (H-Statements)			H400 - Very toxic to aquatic life
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)			H410 - Very toxic to aquatic life with long lasting effects
MAMMALIAN	EU - GHS (H-Statements)			H225 - Highly flammable liquid and vapour
SKIN IRRITATION	EU - GHS (H-Statements)			H304: May be fatal if swallowed and enters airways
MULTIPLE	German FEA - Substances Hazardous to Waters			H315 - Causes skin irritation
SUBSTANCE NOTES: Adhesive Primer Component				

## N-HEPTANE

ID: 142-82-5

HAZARDS:	AGENCY(IES) WITH WARNINGS:			
SKIN IRRITATION	EU - R-phrases	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>N-HEPTANE</b>
ACUTE AQUATIC	EU - R-phrases			R38 - Irritating to skin
ACUTE AQUATIC	EU - GHS (H-Statements)			R50 - Very Toxic to Aquatic Organisms
CHRON AQUATIC	EU - GHS (H-Statements)			H400 - Very toxic to aquatic life
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)			H410 - Very toxic to aquatic life with long lasting effects
MAMMALIAN	EU - GHS (H-Statements)			H225 - Highly flammable liquid and vapour
SKIN IRRITATION	EU - GHS (H-Statements)			H304: May be fatal if swallowed and enters airways
MULTIPLE	German FEA - Substances Hazardous to Waters			H315 - Causes skin irritation
SUBSTANCE NOTES: Adhesive Primer Component				

## MAGNESIUM OXIDE

ID: 1309-48-4

HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>MAGNESIUM OXIDE</b>
SUBSTANCE NOTES: Adhesive Primer Component				

## ZINC OXIDE

ID: 1314-13-2

HAZARDS:	AGENCY(IES) WITH WARNINGS:			
ACUTE AQUATIC	EU - R-phrases	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>ZINC OXIDE</b>
RESPIRATORY	AOEC - Asthmagens			R50 - Very Toxic to Aquatic Organisms
ACUTE AQUATIC	EU - GHS (H-Statements)			Asthmagen (ARs) - sensitizer-induced - inhalable forms only
CHRON AQUATIC	EU - GHS (H-Statements)			H400 - Very toxic to aquatic life
MULTIPLE	German FEA - Substances Hazardous to Waters			H410 - Very toxic to aquatic life with long lasting effects
SUBSTANCE NOTES: Adhesive Primer Component				

## ROSIN BINDERS

ID: Not registered

HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Rosin binders</b>
SUBSTANCE NOTES: Adhesive Primer Component				

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

**WATER**

ID: 7732-18-5

#: 85.0000 - 95.0000	GS: UNK	RC: None	NANO: No	ROLE: WATER
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Adhesive Component				

**ROSIN, POLYMER WITH PHENOL**

ID: 68083-03-4

#: 5.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Rosin, polymer with phenol
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Adhesive Component				

**TOLUENE**

ID: 108-88-3

#: 1.0000 - 5.0000	GS: LT-1	RC: None	NANO: No	ROLE: TOLUENE
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)		
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin		
ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.		
DEVELOPMENTAL	EU - R-phrases	R63 - Possible risk of harm to the unborn child		
DEVELOPMENTAL	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant		
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity		
REPRODUCTIVE	CA EPA - Prop 65	Developmental Toxicity - Female		
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		
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation		
DEVELOPMENTAL	EU - GHS (H-Statements)	H361d - Suspected of damaging the unborn child		
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)	H225 - Highly flammable liquid and vapour		
SUBSTANCE NOTES: Adhesive Component				

**ZINC OXIDE**

ID: 1314-13-2

#: 1.0000 - 5.0000	GS: LT-P1	RC: None	NANO: No	ROLE: ZINC OXIDE
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms		
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only		
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		
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
SUBSTANCE NOTES: Adhesive Component				

**DIETHANOLAMINE**

ID: 111-42-2

#: 0.1000 - 1.0000	GS: LT-1	RC: None	NANO: No	ROLE: DIETHANOLAMINE
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HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
EYE IRRITATION	EU - R-phrases	R41 - Risk of serious damage to eyes
ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Adhesive Component

### GRAY PRIMER (WATER BASED)

#: 0.1000 - 0.1000

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

#### WATER

ID: 7732-18-5

#: 40.0000 - 50.0000

GS: UNK

RC: None

NANO: No

ROLE: WATER

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Primer Component

#### ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE)

ID: 111-76-2

#: 10.0000 - 15.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Ethylene glycol monobutyl ether (EGBE)

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

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

MAMMALIAN

EU - R-phrases

R21 - Harmful in Contact with Skin

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

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

CANCER

MAK

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

SUBSTANCE NOTES: Primer Component

#### LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

#: 10.0000 - 15.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: LIMESTONE; CALCIUM CARBONATE

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Primer Component

#### TITANIUM DIOXIDE

ID: 13463-67-7

#: 5.0000 - 10.0000

GS: LT-1

RC: None

NANO: No

ROLE: Titanium dioxide

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen (airborne particles of respirable size - occupational setting)
CANCER	IARC	Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Primer Component

**TALC**

ID: 14807-96-6

%: 5.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: TALC
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		

SUBSTANCE NOTES: Primer Component

**2-(2-BUTOXYETHOXY)ETHANOL**

ID: 112-34-5

%: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: 2-(2-BUTOXYETHOXY)ETHANOL
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes		
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation		

SUBSTANCE NOTES: Primer Component

**CARBON BLACK**

ID: 1333-86-4

%: 1.0000 - 5.0000	GS: LT-1	RC: None	NANO: No	ROLE: CARBON BLACK
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CANCER	CA EPA - Prop 65	Carcinogen (airborne particles of respirable size - occupational setting)		
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: Primer Component

**#3500 EPOXY PART A**

%: 0.0400 - 0.0400

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

**EPICHLOROHYDRIN-BISPHENOL A RESIN**

ID: 25068-38-6

%: 66.6000 - 66.6000	GS: LT-P1	RC: None	NANO: No	ROLE: EPICHLOROHYDRIN-BISPHENOL A RESIN
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes		
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin		
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact		
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms		
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published		
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects		
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation		
SKIN IRRITATION	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction		
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation		
MULTIPLE	German FE A - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
REPRODUCTIVE	US EPA - PPT Chemical Action Plans	Reproductive effects		
DEVELOPMENTAL	US EPA - PPT Chemical Action Plans	Developmental Effects		



SUBSTANCE NOTES: Epoxy Part A Component

**LIMESTONE; CALCIUM CARBONATE**

ID: 1317-65-3

#: 25.0000 - 25.0000 GS: LT-UNK RC: None NANO: No ROLE: LIMESTONE; CALCIUM CARBONATE

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

SUBSTANCE NOTES: Epoxy Part A Component

**FUMED SILICA, CRYSTALLINE-FREE**

ID: 112945-52-5

#: 8.4000 - 8.4000 GS: LT-UNK RC: None NANO: No ROLE: FUMED SILICA, CRYSTALLINE-FREE

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

SUBSTANCE NOTES: Epoxy Part A Component

**#3500 EPOXY PART B**

#: 0.0400 - 0.0400

HPD URL:

MATERIAL THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

**TRIETHYLENETETRAMINE**

ID: 112-24-3

#: 57.1600 - 57.1600 GS: LT-P1 RC: None NANO: No ROLE: TRIETHYLENETETRAMINE

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases	R21 - Harmful in Contact with Skin
SKIN IRRITATION	EU - R-phrases	R34 - Causes burns
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ACUTE AQUATIC	EU - R-phrases	R52 - Harmful to Aquatic Organisms
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN IRRITATION	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Epoxy Part B Component

**KAOLIN CLAY**

ID: 1332-58-7

#: 21.4200 - 21.4200 GS: LT-UNK RC: None NANO: No ROLE: KAOLIN CLAY

HAZARDS: CANCER AGENCY(IES) WITH WARNINGS: MAK Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Epoxy Part B Component

**FUMED SILICA, CRYSTALLINE-FREE**

ID: 112945-52-5

#: 21.4200 - 21.4200 GS: LT-UNK RC: None NANO: No ROLE: FUMED SILICA, CRYSTALLINE-FREE

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

SUBSTANCE NOTES: Epoxy Part B Component

### 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.

LCA	Environmental Product Declaration
CERTIFYING PARTY: <b>Third Party</b>	ISSUE DATE: 2014-10-04
APPLICABLE FACILITIES: <b>NA</b>	EXPIRY DATE: 2014-10-04
CERTIFICATE URL: <a href="http://www.assaabloydss.com/Local/DSS/Sustainability/EPD/Mutual%20Listings/Doors%20and%20Frames/144.1_ASSA%20ABLOY_mrEPD_Ceco%20Legion%20Door.pdf">http://www.assaabloydss.com/Local/DSS/Sustainability/EPD/Mutual%20Listings/Doors%20and%20Frames/144.1_ASSA%20ABLOY_mrEPD_Ceco%20Legion%20Door.pdf</a>	CERTIFIER OR LAB: <b>ULE</b>
CERTIFICATION AND COMPLIANCE NOTES:	

OTHER	Declare Label
CERTIFYING PARTY: <b>Third Party</b>	ISSUE DATE: 2015-09-01
APPLICABLE FACILITIES: <b>NA</b>	EXPIRY DATE: 2016-09-01
CERTIFICATE URL: <a href="http://www.assaabloydss.com/Local/DSS/Sustainability/Declare/Declare%20Labels/CECO%20Door%20Legion-UltraDor.jpg">http://www.assaabloydss.com/Local/DSS/Sustainability/Declare/Declare%20Labels/CECO%20Door%20Legion-UltraDor.jpg</a>	CERTIFIER OR LAB: <b>ILFI</b>
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

Residuals not considered as impacts are not considered to be significant

**MANUFACTURER INFORMATION**

MANUFACTURER: **Assa Abloy**  
 ADDRESS: **110 Sargent Drive**  
**New Haven CT 06511, United States**  
 WEBSITE: **www.assaabloydss.com/sustainability**

CONTACT NAME: **Amy Vigneux**  
 TITLE: **Manager, Sustainable Building Solutions**  
 PHONE: **2036035919**  
 EMAIL: **amy.vigneux@assaabloy.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**

<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.*