

CLASSIFICATION: 08 70 00

PRODUCT DESCRIPTION: Continuous hinges are hinges that run the full height of a door. The design of the product evenly distributes the weight of the door along the full length of the frame. Continuous hinges are ideal for high frequency and heavy weight doors in new construction and retrofit applications. Continuous hinges are designed to be 1" shorter than the full height of the door. For a standard 3'x7' door, a typical continuous hinge length is 6'11". National guard product continuous hinge products are certified grade 1 to ansi/bhma a156.26-2012 grade 1 for 150 lb and 600 lb doors and grade 2 for 300 lb doors.

Section 1: Summary

Nested 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

Residuals/Impurities
Considered in 0 of 2 Materials

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

All Substances Above the Threshold Indicated Are:

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

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

Identified Yes Ex/SC Yes No
All substances disclosed by Name (Specific or Generic) and
Identifier.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

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

ALUMINUM CONTINUOUS HINGES [**ALUMINUM (PRIMARY CASRN IS 7429-90-5)** LT-P1 | RES | PHY | END **POLYBUTYLENE TEREPHTHALATE** NoGS **MAGNESIUM** LT-UNK | PHY **ZINC** LT-P1 | AQU | PHY | END | MUL **SILICON** LT-UNK **MANGANESE** LT-P1 | END | MUL | REP **COPPER** LT-UNK **IRON** LT-P1 | END **CHROMIUM** LT-P1 | RES | END | SKI **LEAD** LT-1 | DEL | CAN | PBT | REP | MUL | END | GEN **NICKEL** LT-1 | RES | CAN | SKI | MAM | MUL **TETRAHYDROFURAN** LT-P1 | CAN | PHY | EYE | END **POLYTETRAFLUOROETHYLENE** LT-UNK] **STAINLESS STEEL CONTINUOUS HINGES** [**IRON** LT-P1 | END **CHROMIUM** LT-P1 | RES | END | SKI **NICKEL** LT-1 | RES | CAN | SKI | MAM | MUL **NYLON 6** LT-UNK **NITROGEN** NoGS **CARBON** LT-UNK **MANGANESE** LT-P1 | END | MUL | REP **PHOSPHORUS** BM-2 | PHY | MAM **SILICON** LT-UNK **SULFUR** LT-UNK | SKI]

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 HPD considers aluminum continuous hinges and stainless steel continuous hinges.

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

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-08-29

PUBLISHED DATE: 2019-09-03

EXPIRY DATE: 2022-08-29



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

ALUMINUM CONTINUOUS HINGES

#: 100.00 - 100.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities not considered. Only intentionally added ingredients are presented in this HPD.

OTHER MATERIAL NOTES:

ALUMINUM (PRIMARY CASRN IS 7429-90-5)

ID: 477951-22-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-08-29

#: 85.00 - 100.00

GS: LT-P1

RC: UNK

NANO: No

ROLE: Hinge Body

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: Due to the commodity nature of aluminum alloy most commercially available aluminum alloy contains some amount of recycled content. The exact percentage will likely change due to market conditions.

POLYBUTYLENE TEREPHTHALATE

ID: 26062-94-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-08-29

#: 1.00 - 5.00

GS: NoGS

RC: None

NANO: No

ROLE: Bearing

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is provided based on the supplier's disclosure.

MAGNESIUM

ID: 7439-95-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-29**%: **0.00 - 5.00**GS: **LT-UNK**RC: **UNK**NANO: **No**ROLE: **Hinge Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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: Due to the commodity nature of aluminum alloy most commercially available aluminum alloy contains some amount of recycled content. The exact percentage will likely change due to market conditions.

ZINC

ID: 7440-66-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-29**%: **0.00 - 5.00**GS: **LT-P1**RC: **UNK**NANO: **No**ROLE: **Hinge Body**

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: Due to the commodity nature of aluminum alloy most commercially available aluminum alloy contains some amount of recycled content. The exact percentage will likely change due to market conditions.

SILICON

ID: 7440-21-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-29**%: **0.00 - 2.50**GS: **LT-UNK**RC: **UNK**NANO: **No**ROLE: **Hinge Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Due to the commodity nature of aluminum alloy most commercially available aluminum alloy contains some amount of recycled content. The exact percentage will likely change due to market conditions.

MANGANESE

ID: 7439-96-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-29**%: **0.00 - 2.50**GS: **LT-P1**RC: **UNK**NANO: **No**ROLE: **Hinge Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE**TEDX - Potential Endocrine Disruptors****Potential Endocrine Disruptor****MULTIPLE****German FEA - Substances Hazardous to Waters****Class 2 - Hazard to Waters****REPRODUCTIVE****GHS - Japan****Toxic to reproduction - Category 1B [H360]**

SUBSTANCE NOTES: Due to the commodity nature of aluminum alloy most commercially available aluminum alloy contains some amount of recycled content. The exact percentage will likely change due to market conditions.

COPPER

ID: 7440-50-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-29**%: **0.00 - 2.50**GS: **LT-UNK**RC: **UNK**NANO: **No**ROLE: **Hinge Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES: Due to the commodity nature of aluminum alloy most commercially available aluminum alloy contains some amount of recycled content. The exact percentage will likely change due to market conditions.

IRON

ID: 7439-89-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-29**%: **0.00 - 2.50**GS: **LT-P1**RC: **UNK**NANO: **No**ROLE: **Hinge Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

SUBSTANCE NOTES: Due to the commodity nature of aluminum alloy most commercially available aluminum alloy contains some amount of recycled content. The exact percentage will likely change due to market conditions.

CHROMIUM

ID: 7440-47-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-29**%: **0.00 - 1.00**GS: **LT-P1**RC: **UNK**NANO: **No**ROLE: **Hinge Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Due to the commodity nature of aluminum alloy most commercially available aluminum alloy contains some amount of recycled content. The exact percentage will likely change due to market conditions.

LEAD

ID: 7439-92-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-08-29**

#: **0.00 - 1.00**

GS: **LT-1**

RC: **UNK**

NANO: **No**

ROLE: **Hinge Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
DEVELOPMENTAL	G&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	Reasonably Anticipated to be Human Carcinogen
PBT	US EPA - Toxics Release Inventory PBTs	PBT
REPRODUCTIVE	EU - SVHC Authorisation List	Toxic to reproduction - Candidate list
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
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	GHS - Korea	Carcinogenicity - Category 1 [H350 - May cause cancer]
REPRODUCTIVE	GHS - Korea	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
REPRODUCTIVE	GHS - New Zealand	6.8A - Known or presumed human reproductive or developmental toxicants
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1A [H360]
GENE MUTATION	MAK	Germ Cell Mutagen 3a
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A
DEVELOPMENTAL	GHS - Australia	H360Df - May damage the unborn child. Suspected of damaging fertility

SUBSTANCE NOTES: Due to the commodity nature of aluminum alloy most commercially available aluminum alloy contains some amount of recycled content. The exact percentage will likely change due to market conditions.

NICKEL

ID: 7440-02-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-08-29**

#: **0.00 - 1.00**

GS: **LT-1**

RC: **UNK**

NANO: **No**

ROLE: **Hinge Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
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	Known to be a human Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
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: Due to the commodity nature of aluminum alloy most commercially available aluminum alloy contains some amount of recycled content. The exact percentage will likely change due to market conditions.

TETRAHYDROFURAN

ID: 109-99-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-08-29**

#: **0.00 - 1.00**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Bearing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
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: A range is provided based on the supplier's disclosure.

POLYTETRAFLUOROETHYLENE

ID: 9002-84-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-29**%: **0.00 - 1.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Hinges**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is provided based on the supplier's disclosure.

STAINLESS STEEL CONTINUOUS HINGES%: **0.00**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities not considered. Only intentionally added ingredients are presented in this HPD.

OTHER MATERIAL NOTES: Stainless steel continuous hinges is an alternate to aluminum continuous hinges.

IRON

ID: 7439-89-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-29**%: **65.00 - 75.00**GS: **LT-P1**RC: **UNK**NANO: **No**ROLE: **Hinge Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Due to the commodity nature of stainless steel, most commercially available stainless steel contains some amount of recycled content. The exact percentage will likely change due to market conditions.

CHROMIUM

ID: 7440-47-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-29**%: **15.00 - 20.00**GS: **LT-P1**RC: **UNK**NANO: **No**ROLE: **Hinge Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Due to the commodity nature of stainless steel, most commercially available stainless steel contains some amount of recycled content. The exact percentage will likely change due to market conditions.

NICKEL

ID: 7440-02-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-29**%: **5.00 - 15.00**GS: **LT-1**RC: **UNK**NANO: **No**ROLE: **Hinge Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagens (Rs) - sensitizer-induced
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	Known to be a human Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
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 Cat - Danger of airway & skin sensitization

SUBSTANCE NOTES: Due to the commodity nature of stainless steel, most commercially available stainless steel contains some amount of recycled content. The exact percentage will likely change due to market conditions.

NYLON 6

ID: 25038-54-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-29**%: **0.10 - 0.20**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Bearing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is provided based on supplier's disclosure.

NITROGEN

ID: 7727-37-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-29**%: **0.01 - 1.00**GS: **NoGS**RC: **UNK**NANO: **No**ROLE: **Hinge Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Due to the commodity nature of stainless steel, most commercially available stainless steel contains some amount of recycled content. The exact percentage will likely change due to market conditions.

CARBON

ID: 7440-44-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2019-08-29
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#: **0.00 - 1.00** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Hinge Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Due to the commodity nature of stainless steel, most commercially available stainless steel contains some amount of recycled content. The exact percentage will likely change due to market conditions.

MANGANESE

ID: 7439-96-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2019-08-29
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#: **0.00 - 5.00** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Hinge Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

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

REPRODUCTIVE GHS - Japan Toxic to reproduction - Category 1B [H360]

SUBSTANCE NOTES: Due to the commodity nature of stainless steel, most commercially available stainless steel contains some amount of recycled content. The exact percentage will likely change due to market conditions.

PHOSPHORUS

ID: 7723-14-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2019-08-29
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#: **0.00 - 1.00** GS: **BM-2** RC: **UNK** NANO: **No** ROLE: **Hinge Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements) H228 - Flammable solid

MAMMALIAN US EPA - EPCRA Extremely Hazardous Substances Extremely Hazardous Substances

SUBSTANCE NOTES: Due to the commodity nature of stainless steel, most commercially available stainless steel contains some amount of recycled content. The exact percentage will likely change due to market conditions.

SILICON

ID: 7440-21-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-08-29**

?: **0.00 - 1.00**

GS: **LT-UNK**

RC: **UNK**

NANO: **No**

ROLE: **Hinge Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Due to the commodity nature of stainless steel, most commercially available stainless steel contains some amount of recycled content. The exact percentage will likely change due to market conditions.

SULFUR

ID: 7704-34-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-08-29**

?: **0.00 - 1.00**

GS: **LT-UNK**

RC: **UNK**

NANO: **No**

ROLE: **Hinge Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SUBSTANCE NOTES: Due to the commodity nature of stainless steel, most commercially available stainless steel contains some amount of recycled content. The exact percentage will likely change due to market conditions.

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-**

EXPIRY DATE:

CERTIFIER OR LAB: **N/A**

APPLICABLE FACILITIES: **All**

09-03

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

All ingredients over 1000 ppm of the product are disclosed.



MANUFACTURER INFORMATION

MANUFACTURER: **National Guard Products**
 ADDRESS: **4985 East Raines Rd**
Memphis TN 38118, United States
 WEBSITE: **www.ngp.com**

CONTACT NAME: **Roger Skold**
 TITLE: **Technical Director**
 PHONE: **800-647-7874**
 EMAIL: **rogers@ngp.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	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

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