

CLASSIFICATION: 08 70 00.00

PRODUCT DESCRIPTION: PRODUCT DESCRIPTION: CONTINUOUS HINGES ARE HINGES THAT RUN THE FULL HEIGHT OF A DOOR. THEY ARE ALUMINUM ALLOY 6063-T6 ANODIZED AFTER BEING MACHINED FOR BEARING APPLICATION. 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**

**CONTENT INVENTORY**

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

- Residuals and impurities considered in 0 of 2 materials
- see Section 2: Material Notes
  - see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

**CONTENT IN DESCENDING ORDER OF QUANTITY**

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

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

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

ANODIZED ALUMINUM [ ALUMINUM LT-P1 | RES | PHY | END MAGNESIUM LT-UNK | PHY ZINC LT-P1 | AQU | PHY | MUL SILICON LT-UNK MANGANESE LT-P1 | END COPPER LT-UNK IRON LT-UNK CHROMIUM LT-UNK | RES LEAD LT-1 | MAM | AQU | DEV | REP | CAN | PBT | MUL | END | GEN NICKEL LT-1 | MAM | CAN | SKI | AQU | RES | MUL ] BEARINGS [ POLYBUTYLENE TEREPHTHALATE UNK TETRAHYDROFURAN LT-UNK | EYE | PHY | CAN POLYTETRAFLUOROETHYLENE LT-UNK ]

**INVENTORY AND SCREENING NOTES:**

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE**

No certifications have been added to this HPD.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: December 1, 2016	EXPIRY DATE*: December 1, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: December 1, 2016	* or within 3 months of significant change in product contents

\*See HPDC website for details



## Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: [www.hpd-collaborative.org](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### ANODIZED ALUMINUM

#: 88.0300 - 98.4500

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: Range based on information provided by supplier and due to market differences in alloys purchased.

#### ALUMINUM

ID: 7429-90-5

#: 88.0300 - 98.4500

GS: LT-P1

RC: UNK

NANO: NO

ROLE: Hinge body.

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

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

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: Main meal material in hinge.

#### MAGNESIUM

ID: 7439-95-4

#: 0.0000 - 4.0400

GS: LT-UNK

RC: UNK

NANO: NO

ROLE: Identified in alloy.

#### HAZARDS:

#### AGENCY(IES) WITH 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: ange based on information provided by supplier and due to market differences in alloys purchased.

#### ZINC

ID: 7440-66-6

#: 0.0000 - 3.9400

GS: LT-P1

RC: UNK

NANO: NO

ROLE: Identified in alloy.

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
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
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Range based on information provided by supplier and due to market differences in alloys purchased.

**SILICON**

ID: 7440-21-3

%: 0.0000 - 1.8700      GS: LT-UNK      RC: UNK      NANO: NO      ROLE: Identified in alloy.

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range based on information provided by supplier and due to market differences in alloys purchased.

**MANGANESE**

ID: 7439-96-5

%: 0.0000 - 1.4800      GS: LT-P1      RC: UNK      NANO: NO      ROLE: Identified in alloy.

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Range based on information provided by supplier and due to market differences in alloys purchased.

**COPPER**

ID: 7440-50-8

%: 0.0000 - 1.3800      GS: LT-UNK      RC: UNK      NANO: NO      ROLE: Identified in alloy.

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range based on information provided by supplier and due to market differences in alloys purchased.

## IRON

ID: 7439-89-6

%: 0.0000 - 1.1800	GS: LT-UNK	RC: UNK	NANO: NO	ROLE: Identified in alloy.
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range based on information provided by supplier and due to market differences in alloys purchased.

## CHROMIUM

ID: 7440-47-3

%: 0.0000 - 0.4900	GS: LT-UNK	RC: UNK	NANO: NO	ROLE: Identified in alloy.
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

RESPIRATORY

AOEC - Asthmagens

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

SUBSTANCE NOTES: Range based on information provided by supplier and due to market differences in alloys purchased.

## LEAD

ID: 7439-92-1

%: 0.0000 - 0.3900	GS: LT-1	RC: UNK	NANO: NO	ROLE: Identified in alloy.
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

MAMMALIAN

EU - R-phrases

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

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

DEVELOPMENTAL

EU - R-phrases

R61 - May cause harm to the unborn child

REPRODUCTIVE

EU - R-phrases

R62 - Possible risk of impaired fertility

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	Developmental Toxicity - Female
REPRODUCTIVE	CA EPA - Prop 65	Developmental Toxicity - Male
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. Suspected of damaging 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
GENE MUTATION	MAK	Germ Cell Mutagen 3a
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A

SUBSTANCE NOTES: Range based on information provided by supplier and due to market differences in alloys purchased.

NICKEL

ID: 7440-02-0

#: 0.0000 - 0.2000

GS: LT-1

RC: UNK

NANO: NO

ROLE: Identified in alloy.

**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
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 based on information provided by supplier and due to market differences in alloys purchased.

## BEARINGS

%: 1.4900 - 2.1100 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes: Range based on information provided by supplier.

### POLYBUTYLENE TEREPHTHALATE

ID: 26062-94-2

%: 90.0000 - 99.0000

GS: UNK

RC: None

NANO: NO

ROLE: Polymer

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range based on supplier disclosure.

**TETRAHYDROFURAN**

ID: 109-99-9

%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Solvant
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**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
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Range based on supplier disclosure.

**POLYTETRAFLUOROETHYLENE**

ID: 9002-84-0

%: 0.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Solvant
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: Range based on supplier disclosure.

**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.

**Section 5: General Notes**

All ingredients over 1000 ppm of the product are disclosed.



## MANUFACTURER INFORMATION

MANUFACTURER: National Guard Products

CONTACT NAME: Roger Skold

ADDRESS: 4985 East Raines Rd  
Memphis, TN 38118  
United States

TITLE: Technical Director/Inside Sales

PHONE: 901-546-8105

WEBSITE: www.ngp.com

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) BM-2  
Benchmark 2 (use but search for safer substitutes)

**LT-1** List Translator Likely Benchmark 1

**BM-1** Benchmark 1 (avoid - chemical of high concern)

**LT-UNK** List Translator Benchmark Unknown (insufficient  
information from List Translator lists to benchmark)

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**UNK** 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

**Nano** Composed of nanoscale particles or nanotechnology

### Declaration Level

**Self-declared** Manufacturer's self-declaration (First Party)

**Independent Lab** Manufacturer's self-declaration using results from an independent lab

**Second Party** Verification by trade association or other interested party

**Third Party** Verification by independent certifier

**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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.