**Gasketing (Aluminum and Polypropylene)**

**Name**
Gasketing (Aluminum and Polypropylene)

**Product ID**
08 70 00.00 Openings (door ways): Hardware

**Classification**
Hardware

**Website**
www.ngp.com

**Manufacturer**
National Guard Product, Inc.

**Address**
4985 East Raines Rd
Memphis, TN 38118

**Contact Name**
Roger Skold

**Title**
Technical Director

**Phone**
901-546-8105

**Email**
rogers@ngp.com

**Description**
Gasketing products are designed to seal the perimeter of a door. They are designed using a variety of materials and can be comprised of a single material or a combination of multiple materials. NGP utilizes a variety of materials including; Plastic Elastomers (TPE), Thermo-Plastic Vulcanizates (TPV), Polypropylene Pile, Ethylene-Propylene- Diene-Monomer (EPDM), Polyurethane, and Intumescent Fire Seals. Additionally, Metal retainers can be used as part of the gasket. Metal options for gasketing include Aluminum Alloy, Architectural Bronze and Stainless Steel (Type 304).

**Release Date**
2015-12-08

**Expiry Date**
2018-12-08

**HPD URL**

**SUMMARY DISCLOSURE**
The content of this product was assessed for health hazard warnings as required using Pharos.

**Residuals Disclosure**
- Measured 100 ppm (ideal)
- Measured 1000 ppm
- Predicted by process chemistry
- As per MSDS (1,000 & 10,000 ppm)
- Not disclosed
- Other

**Full Disclosure of Intentional Ingredients**
- Yes
**Full Disclosure of Known Hazards**
- No

**Contents in Descending Order of Quantity**
- ALUMINUM, ZINC, Silicon, POLYPROPYLENE, COPPER, MAGNESIUM, IRON, Chromium, Manganese

**Hazard**
- Development
- Reproductive
- Endocrine
- Respiratory

**Highest Concern GreenScreen Score**
- Neurotoxicity
- Mammal
- Skin or Eye
- Aquatic toxicity
- Land toxicity
- Physical hazard
- Global warming
- Ozone depletion

**Total VOC Content**
- Material (g/L): N/A
- Regulatory (g/L): N/A

**Does the product contain exempt VOCs?**
- N/A

**Are there VOC-free tints available?**
- Yes

**Notes**
- Certification + Compliance
- VOC Emissions: Not tested
- VOC Content: N/A

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Health Product Declaration v1.0 - hpdcollaborative.org - Page 1 of 4
The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level. Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS RN</th>
<th>% weight</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard A</td>
<td>Warning A</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Hazard B</td>
<td>Warning B</td>
<td></td>
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<tr>
<td>Hazard C</td>
<td>Warning C</td>
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<tr>
<td>Hazard D</td>
<td>Warning D</td>
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<td></td>
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</tr>
<tr>
<td>Hazard E</td>
<td>Warning E</td>
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<th>Role</th>
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</thead>
<tbody>
<tr>
<td>ALUMINUM</td>
<td>7429-90-5</td>
<td>74 - 92 %</td>
<td>LT-P1</td>
<td>BO</td>
<td>N</td>
<td>Component of aluminum gasketing options.</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX: Potential Endocrine Disruptor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FLAMMABLE</td>
<td>EU H-Statements: H228 Flammable solid</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REACTIVE</td>
<td>EU H-Statements: H261 In contact with water releases flammable gases</td>
<td></td>
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</tbody>
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Range due to different variations of products within this class. Products only differ in the amount of material, not material type.

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<tbody>
<tr>
<td>ZINC</td>
<td>7440-66-6</td>
<td>2 - 2.4 %</td>
<td>LT-P1</td>
<td>U</td>
<td>N</td>
<td>Component of aluminum gasketing options.</td>
</tr>
<tr>
<td>ACUTE AQUATIC</td>
<td>EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life (also in EU R-Phrases)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CHRON AQUATIC</td>
<td>EU H-Statements: H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects</td>
<td></td>
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<td></td>
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<tr>
<td>FLAMMABLE</td>
<td>EU H-Statements: H250 Catches fire spontaneously if exposed to air</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REACTIVE</td>
<td>EU H-Statements: H260 In contact with water releases flammable gases which may ignite spontaneously</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</thead>
<tbody>
<tr>
<td>Silicon</td>
<td>7440-21-3</td>
<td>1.4 - 1.8 %</td>
<td>LT-U</td>
<td>N</td>
<td>N</td>
<td>Component of aluminum gasketing options.</td>
</tr>
</tbody>
</table>

None found No warnings found on HPD Priority lists

Range due to different variations of products within this class. Products only differ in the amount of material, not material type.

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</tr>
</thead>
<tbody>
<tr>
<td>POLYPROPYLENE</td>
<td>9003-07-0</td>
<td>1 - 20 %</td>
<td>LT-U</td>
<td>U</td>
<td>N</td>
<td>Component of polypropylene gasketing options.</td>
</tr>
</tbody>
</table>
## RESPIRATORY

**AOEC: Asthmagen (ARs) - sensitizer-induced**

Range due to different variations of products within this class. Products only differ in the amount of material, not material type.

### COPPER

- **CAS No.:** 7440-50-8
- **Range:** 1 - 1.2 %
- **AOEC:** LT-P1
- **Category:** U
- **Notes:** N
- **Component of aluminum gasketing options**

None found

No warnings found on HPD Priority lists

Range due to different variations of products within this class. Products only differ in the amount of material, not material type.

### MAGNESIUM

- **CAS No.:** 7439-95-4
- **Range:** 0.9 - 1.1 %
- **AOEC:** LT-U
- **Category:** N
- **Notes:** N
- **Component of aluminum gasketing options**

None found

No warnings found on HPD Priority lists

Range due to different variations of products within this class. Products only differ in the amount of material, not material type.

### FLAMMABLE

**EU H-Statements:**
- **H250:** Catches fire spontaneously if exposed to air

**REACTIVE**
- **EU H-Statements:**
  - **H260:** In contact with water releases flammable gases which may ignite spontaneously

Range due to variations of products within this class. Products only differ in the amount of material, not material type.

### IRON

- **CAS No.:** 7439-89-6
- **Range:** 0.8 - 1 %
- **AOEC:** LT-U
- **Category:** U
- **Notes:** U
- **Component of aluminum gasketing options**

None found

No warnings found on HPD Priority lists

Range due to different variations of products within this class. Products only differ in the amount of material, not material type.

### Chromium

- **CAS No.:** 7440-47-3
- **Range:** 0.3 - 0.4 %
- **AOEC:** LT-U
- **Category:** U
- **Notes:** N
- **Component of aluminum gasketing options.**

RESPIRATORY

**AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only**

Range due to different variations of products within this class. Products only differ in the amount of material, not material type.

### Manganese

- **CAS No.:** 7439-96-5
- **Range:** 0.2 - 1.1 %
- **AOEC:** LT-P1
- **Category:** N
- **Notes:** N
- **Component of aluminum gasketing options**

ENDOCRINE

**TEDX: Potential Endocrine Disruptor**

Range due to slightly different variations of products within this class. Products only differ in the amount of material, not material type.

## CERTIFICATIONS AND COMPLIANCE

**Certifying Party** = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

**Applicable facilities** = Manufacturing sites to which testing applies.

<table>
<thead>
<tr>
<th>Type</th>
<th>Standard or Certification</th>
<th>Certifying Party</th>
<th>Issue Date</th>
<th>Expiry Date</th>
<th>Certifier or Laboratory</th>
<th>Applicable Facilities</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC Emissions</td>
<td>Not tested</td>
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<td></td>
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<tr>
<td>VOC Content</td>
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</table>
ACCESSORY MATERIALS
This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

<table>
<thead>
<tr>
<th>Required or Recommended Product</th>
<th>URL for Companion Health Product Declaration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Condition when required or recommended and/or other notes</td>
<td></td>
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NOTES
In an effort to promote further transparency in the marketplace, National Guard Products has also made available a corporate sustainability report and environmental product declarations for all of our Gasketing, Thresholds, and Lite Kits and Louver products. These documents are available at NGP.com for download. Please contact Roger Skold (rogers@ngp.com) for additional information.