Potassium Silicate Exterior Paints

**Product ID**
Exterior Models

**Classification**
09 01 90.00 Finishes: Maintenance of Painting and Coating

**Website**
romabio.com/

**Manufacturer**
ROMA Eco-Sustainable Technologies

**Address**
554 North Avenue NW
Suite B
Atlanta, GA 30318

**Website**
romabio.com/

**Contact Name**
Christopher Lewis

**Title**
Chief Technical Officer

**Phone**
678-905-3700

**Email**
c.lewis@romabio.com

**Description**
ROMA’s Potassium Silicate Paints comprise the Domus Collection of Mineral Paints and Primers. Six (6) Exterior Model Paints are covered under this HPD: BioDomus White I; BioDomus White II; BioDomus Deep Base; BioDomus Deep Base II; BioGrip Medium; BioGrip Micro

**Release Date**
2014-10-14

**Expiry Date**
2017-10-14

**HPD URL**

**Second Party**
✓

**Third Party**
✓

**Certifier**
Pilot Third Party Verified - ToxServices LLC

**Certificate #**
Self-declared

**Residuals Disclosure**

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

**Full Disclosure of Intentional Ingredients**

- Yes
- No

**Full Disclosure of Known Hazards**

- Yes
- No

**Disclosure Notes**

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

**Contents in Descending Order of Quantity**
CALCIUM CARBONATE, LIMESTONE; CALCIUM CARBONATE, WATER, Titanium dioxide, potassium polysilicate, TALC, QUARTZ, (Polyethylene-acrylic acid) copolymer, Undisclosed (Trade Secret)  , Undisclosed (Trade Secret), Undisclosed (Trade Secret), Undisclosed (Trade Secret), Undisclosed (Trade Secret), Undisclosed (Trade Secret)

**Hazards**

- PBT (Persistent Bioaccumulative Toxic)
- Cancer
- Gene Mutation

**Highest concern GreenScreen score** - List Translator Benchmark 1

- Development
- Neurotoxicity
- Land toxicity
- Multiple
- Reproductive
- Mammal
- Physical hazard
- Unknown
- Endocrine
- Skin or Eye
- Global warming
- Respiratory
- Aquatic toxicity
- Ozone depletion

**Total VOC Content**

- Material (g/L) 0.00
- Regulatory (g/L) 0.00

**Does the product contain exempt VOCs?**

- N/A
- Yes
- No

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

- N/A
- Yes
- No

**VOC Emissions**
Not tested

**VOC Content**
Not tested

**Multi-attribute**
Cradle to Cradle - Bronze (V3.0)

**Certifications + Compliance**

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.

**GS**: GreenScreen Benchmark; **RC**: Recycled Content, **PC**: Post Consumer, **PI**: Post Industrial (Pre-consumer), **BO**: Both; **Nano**: comprised of nanoscale particles or nanotechnology

<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>
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<tr>
<td>Hazard E</td>
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</tbody>
</table>

**Notes**

- No warnings found on HPD Priority lists
- % listed is the maximum amount of the ingredient used in the six exterior paint formulations

<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>
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</thead>
<tbody>
<tr>
<td>CALCIUM CARBONATE</td>
<td>471-34-1</td>
<td>0 - 39.8</td>
<td>LT-U</td>
<td>PI</td>
<td>N</td>
<td>Filler Component</td>
</tr>
<tr>
<td>None found</td>
<td></td>
<td></td>
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</tr>
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</tr>
<tr>
<td>LIMESTONE; CALCIUM CARBONATE</td>
<td>1317-65-3</td>
<td>0 - 36.2</td>
<td>LT-U</td>
<td>PI</td>
<td>N</td>
<td>Filler Component</td>
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<tr>
<td>None found</td>
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</tr>
<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>0 - 34%</td>
<td>4</td>
<td>N</td>
<td>N</td>
<td>Solvent</td>
</tr>
<tr>
<td>None found</td>
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</tr>
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</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>0 - 13.4%</td>
<td>LT-1</td>
<td>N</td>
<td>N</td>
<td>Pigment Colorant</td>
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<tr>
<td>Cancer</td>
<td>NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)</td>
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</tr>
<tr>
<td>% listed is the maximum amount of the ingredient used in the six exterior paint formulations. See HPD Notes Section for explanation of hazard</td>
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<tr>
<td>potassium polysilicate</td>
<td>1312-76-1</td>
<td>0 - 12%</td>
<td>LT-U</td>
<td>U</td>
<td>N</td>
<td>Inorganic Binder</td>
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<tr>
<td>None found</td>
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</tr>
<tr>
<td>TALC</td>
<td>14807-96-6</td>
<td>0 - 7.7%</td>
<td>LT-U</td>
<td>U</td>
<td>N</td>
<td>Filler Component</td>
</tr>
</tbody>
</table>
CANCER
MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

% listed is the maximum amount of the ingredient used in the six exterior paint formulations

QUARTZ
14808-60-7 0 - 7.2 % LT-1 U N Filler Component

CANCER
IARC: Group 1: Agent is carcinogenic to humans - inhaled from occupational sources (also in NIOSH-C, MAK, NTP-RoC, Prop 65)

% listed is the maximum amount of the ingredient used in the six exterior paint formulations. See HPD Notes Section for explanation of hazard

(Polyethylene-acrylic acid) copolymer
9010-77-9 0 - 5.4 % LT-U U U Binder Component

None found No warnings found on HPD Priority lists

Full formulation was not disclosed by the supplier. Hazards discussed under the HPD Notes Section. % listed is the maximum amount of the ingredient used in the six exterior paint formulations

Undisclosed (Trade Secret) Undisclosed 0 - 0.68 % LT-U N N Filler Component

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

% listed is the maximum amount of the ingredient used in the six exterior paint formulations

Undisclosed (Trade Secret) Undisclosed 0 - 0.4 % LT-U N N Rheological Additive Component

None found No warnings found on HPD Priority lists

% listed is the maximum amount of the ingredient used in the six exterior paint formulations

Undisclosed (Trade Secret) Undisclosed 0 - 0.36 % U U Wetting Agent Component

None found No warnings found on HPD Priority lists

% listed is the maximum amount of the ingredient used in the six exterior paint formulations

Undisclosed (Trade Secret) Undisclosed 0 - 0.23 % LT-U N N Defoamer Component

None found No warnings found on HPD Priority lists

% listed is the maximum amount of the ingredient used in the six exterior paint formulations

Undisclosed (Trade Secret) Undisclosed 0 - 0.2 % LT-U N N Pigment, Wetting, and Dispersing Agent

None found No warnings found on HPD Priority lists

% listed is the maximum amount of the ingredient used in the six exterior paint formulations

Undisclosed (Trade Secret) Undisclosed 0 - 0.16 % LT-U N N Dispersant for Pigments

None found No warnings found on HPD Priority lists

% listed is the maximum amount of the ingredient used in the six exterior paint formulations

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>Certifier or Laboratory</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Certifying Party</td>
<td>Issue Date</td>
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### Applicable Facilities

<table>
<thead>
<tr>
<th>Notes</th>
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<table>
<thead>
<tr>
<th><strong>VOC Emissions</strong></th>
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</table>

<table>
<thead>
<tr>
<th><strong>VOC Content</strong></th>
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<table>
<thead>
<tr>
<th><strong>Recycled Content</strong></th>
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<table>
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<tr>
<th><strong>Multi-attribute</strong></th>
<th>Cradle to Cradle - Bronze (V3.0)</th>
<th>McDonough Braungart Design Chemistry (MBDC)</th>
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<tbody>
<tr>
<td></td>
<td>3rd party independent certification</td>
<td>2014-09-01</td>
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<td></td>
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<td>2016-09-01</td>
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<td><a href="http://www.c2ccertified.org">www.c2ccertified.org</a></td>
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</tbody>
</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><strong>Required or Recommended Product</strong></th>
<th><strong>URL for Companion Health Product Declaration</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Condition when required or recommended and/or other notes</td>
<td></td>
</tr>
</tbody>
</table>

### NOTES

Ingredient Description: 1.) Polymer - present at a maximum % composition of 5.4%. Polymer is an ingredient in the Binder Component. The manufacturer of the binder component only was able to provide the listed ingredient "polymer". Titanium dioxide, silica (quartz), and silica (amorphous) are classified as LT-1 chemicals based on classification on authoritative lists for carcinogenicity. These classifications pertain to inhalable forms of these inorganic compounds. As these compounds are present in a liquid paint, inhalation exposure to these solid compounds is unlikely. When dried, the particles are expected to be bound within the matrix of a paint film, which minimizes the potential for inhalation exposure.