SAFETY DATA SHEET

1. Identification

Material name: ANTIQUE RELEASE - 35# CST COLOR PREM
Material: CARE P035 999

Recommended use and restriction on use

Recommended use: Pigment
Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information
Euclid Admixture Canada Inc.
2835 Grand-Allee
Saint Hubert QC J4T 2R4
CA

Contact person: EH&S Department
Telephone: (450)465-2233
Emergency telephone number: 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards
Carcinogenicity Category 1A

Unknown toxicity - Health
Acute toxicity, oral 84.45 %
Acute toxicity, dermal 99.11 %
Acute toxicity, inhalation, vapor 99.75 %
Acute toxicity, inhalation, dust or mist 94.53 %

Label Elements

Hazard Symbol: 

Signal Word: Danger

Hazard Statement: May cause cancer.
Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Response: IF exposed or concerned: Get medical advice/attention.

Storage: Store locked up.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate (Limestone)</td>
<td>1317-65-3</td>
<td>50 - &lt;100%</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>5 - &lt;10%</td>
</tr>
<tr>
<td>Chromium oxide</td>
<td>1308-38-9</td>
<td>1 - &lt;5%</td>
</tr>
<tr>
<td>Calcium stearate</td>
<td>1592-23-0</td>
<td>1 - &lt;5%</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)/Silica Sand</td>
<td>14808-60-7</td>
<td>0.1 - &lt;1%</td>
</tr>
<tr>
<td>Stearic acid</td>
<td>57-11-4</td>
<td>0.1 - &lt;1%</td>
</tr>
<tr>
<td>Aluminum oxide</td>
<td>1344-28-1</td>
<td>0.1 - &lt;1%</td>
</tr>
<tr>
<td>Zirconium dioxide</td>
<td>1314-23-4</td>
<td>0.1 - &lt;1%</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>7631-86-9</td>
<td>0.1 - &lt;1%</td>
</tr>
</tbody>
</table>

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Description of necessary first-aid measures

Inhalation: Move to fresh air.

Skin Contact: Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

Eye contact: Rinse immediately with plenty of water.

Ingestion: Rinse mouth thoroughly.

Personal Protection for First-aid Responders: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Most important symptoms/effects, acute and delayed

Symptoms: May cause skin and eye irritation.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.

5. Fire-fighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: No data available.

Accidental release measures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Methods and material for containment and cleaning up: Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and storage

Handling
Technical measures (e.g. Local and general ventilation): Mechanical ventilation or local exhaust ventilation may be required. Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of dust.

Safe handling advice: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Use mechanical ventilation in case of handling which causes formation of dust.

Contact avoidance measures: No data available.

Hygiene measures: Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

Storage

Safe storage conditions: Store locked up.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate (Limestone) - Total dust.</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)</td>
</tr>
<tr>
<td>Calcium Carbonate (Limestone) - Respirable fraction.</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>US. ACGIH Threshold Limit Values, as amended (2011)</td>
</tr>
<tr>
<td>Titanium dioxide - Total dust.</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)</td>
</tr>
<tr>
<td>Titanium dioxide - Respirable fraction.</td>
<td>TWA</td>
<td>15 millions of particles per cubic foot of air</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)</td>
</tr>
<tr>
<td>Titanium dioxide - Total dust.</td>
<td>TWA</td>
<td>15 mg/m³</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)</td>
</tr>
<tr>
<td>Titanium dioxide - Respirable fraction.</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)</td>
</tr>
<tr>
<td>Titanium dioxide - Total dust.</td>
<td>TWA</td>
<td>50 millions of particles per cubic foot of air</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)</td>
</tr>
<tr>
<td>Chromium oxide - Inhalable fraction. - as Cr(III)</td>
<td>TWA</td>
<td>0.003 mg/m³</td>
<td>US. ACGIH Threshold Limit Values, as amended (03 2018)</td>
</tr>
<tr>
<td>Chromium oxide - as Cr</td>
<td>PEL</td>
<td>0.5 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)</td>
</tr>
<tr>
<td>PEL</td>
<td>1 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)</td>
<td></td>
</tr>
<tr>
<td>Calcium stearate - Inhalable fraction.</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>US. ACGIH Threshold Limit Values, as amended (03 2017)</td>
</tr>
<tr>
<td>Chemical name</td>
<td>Type</td>
<td>Exposure Limit Values</td>
<td>Source</td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>-------</td>
<td>--------------------------------------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Calcium Carbonate (Limestone) - Total dust.</td>
<td>STEL</td>
<td>20 mg/m3</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>10 mg/m3</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
</tbody>
</table>
### Chemical name | Type | Exposure Limit Values | Source
--- | --- | --- | ---
Calcium Carbonate (Limestone) - Respirable fraction. | TWA | 3 mg/m³ | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Calcium Carbonate (Limestone) - Total dust. | TWA | 10 mg/m³ | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Total dust. | TWA | 10 mg/m³ | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction. | TWA | 3 mg/m³ | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide | TWA | 10 mg/m³ | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Titanium dioxide - Total dust. | TWA | 10 mg/m³ | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
Chromium oxide - as Cr | TWA | 0.5 mg/m³ | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Chromium oxide - as Cr | TWA | 0.5 mg/m³ | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
Chromium oxide - Total - as Cr | TWA | 0.5 mg/m³ | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2018)
Calcium stearate | TWA | 10 mg/m³ | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Calcium stearate | TWA | 10 mg/m³ | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Crystalline Silica (Quartz)/Silica Sand - Respirable fraction. | TWA | 0.025 mg/m³ | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Crystalline Silica (Quartz)/Silica Sand - Respirable fraction. | TWA | 0.10 mg/m³ | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Crystalline Silica (Quartz)/Silica Sand - Respirable dust. | TWA | 0.1 mg/m³ | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)

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</tr>
<tr>
<td>Substance Description</td>
<td>TWA</td>
<td>Concentration (mg/m³)</td>
<td>Reference</td>
</tr>
<tr>
<td>-----------------------------------------------------------</td>
<td>---------</td>
<td>-----------------------</td>
<td>-----------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Calcium Carbonate (Limestone) - Respirable fraction.</td>
<td>TWA</td>
<td>3</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td>Calcium Carbonate (Limestone) - Total dust.</td>
<td>TWA</td>
<td>10</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td>Titanium dioxide - Total dust.</td>
<td>TWA</td>
<td>10</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
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<td>Titanium dioxide - Respirable fraction.</td>
<td>TWA</td>
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<td>Titanium dioxide</td>
<td>TWA</td>
<td>10</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td>Chromium oxide - as Cr</td>
<td>TWA</td>
<td>0.5</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)</td>
</tr>
<tr>
<td>Chromium oxide - as Cr</td>
<td>TWA</td>
<td>0.5</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)</td>
</tr>
<tr>
<td>Chromium oxide - Total - as Cr</td>
<td>TWA</td>
<td>0.5</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2018)</td>
</tr>
<tr>
<td>Calcium stearate</td>
<td>TWA</td>
<td>10</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)/Silica Sand - Respirable fraction.</td>
<td>TWA</td>
<td>0.025</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)/Silica Sand - Respirable fraction.</td>
<td>TWA</td>
<td>0.10</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)/Silica Sand - Respirable dust.</td>
<td>TWA</td>
<td>0.1</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)</td>
</tr>
<tr>
<td>Stearic acid</td>
<td>TWA</td>
<td>10</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td>Stearic acid</td>
<td>TWA</td>
<td>10</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)</td>
</tr>
<tr>
<td>Aluminum oxide - Respirable.</td>
<td>TWA</td>
<td>1</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td>Aluminum oxide - Total dust.</td>
<td>TWA</td>
<td>10</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)</td>
</tr>
<tr>
<td>Aluminum oxide - Respirable fraction.</td>
<td>TWA</td>
<td>3</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)</td>
</tr>
</tbody>
</table>
### Aluminum oxide - Respirable fraction.

| TWA | 1 mg/m³ | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |

### Aluminum oxide - Inhalable fraction.

| TWA | 10 mg/m³ | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015) |

### Aluminum oxide - Respirable fraction.

| TWA | 3 mg/m³ | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015) |

### Aluminum oxide - Total dust. - as Al

| TWA | 10 mg/m³ | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017) |

### Zirconium dioxide - as Zr

| STEL | 10 mg/m³ | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |

| TWA | 5 mg/m³ | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |

### Zirconium dioxide - as Zr

| TWA | 5 mg/m³ | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |

| STEL | 10 mg/m³ | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |

### Zirconium dioxide - as Zr

| TWA | 5 mg/m³ | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017) |

| STEL | 10 mg/m³ | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017) |

### Amorphous silica - Total

| TWA | 4 mg/m³ | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |

### Amorphous silica - Respirable.

| TWA | 1.5 mg/m³ | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |

### Amorphous silica - Respirable dust.

| TWA | 6 mg/m³ | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017) |

#### Appropriate Engineering Controls

Mechanical ventilation or local exhaust ventilation may be required. Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of dust.

#### Individual protection measures, such as personal protective equipment

##### General information:

Use personal protective equipment as required.

##### Eye/face protection:

Wear goggles/face shield.

##### Skin Protection

**Hand Protection:**

Use suitable protective gloves if risk of skin contact.

**Other:**

No data available.

##### Respiratory Protection:

In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures: Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

### 9. Physical and chemical properties

#### Appearance
- **Physical state:** solid
- **Form:** Powder
- **Color:** Green
- **Odor:** Odorless
- **Odor threshold:** No data available.
- **pH:** No data available.
- **Melting point/freezing point:** No data available.
- **Initial boiling point and boiling range:** No data available.
- **Flash Point:** No data available.
- **Evaporation rate:** No data available.
- **Flammability (solid, gas):** No

#### Upper/lower limit on flammability or explosive limits
- **Flammability limit - upper (%):** No data available.
- **Flammability limit - lower (%):** No data available.
- **Explosive limit - upper (%):** No data available.
- **Explosive limit - lower (%):** No data available.

#### Solubility(ies)
- **Solubility in water:** Miscible with water.
- **Solubility (other):** No data available.
- **Partition coefficient (n-octanol/water):** No data available.

#### Auto-ignition temperature: No data available.

#### Decomposition temperature: No data available.

#### Viscosity: No data available.

### 10. Stability and reactivity

#### Reactivity: No data available.

#### Chemical Stability: Material is stable under normal conditions.

#### Possibility of hazardous reactions: No data available.

#### Conditions to avoid: Avoid heat or contamination.

#### Incompatible Materials: No data available.
Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

**Inhalation:** In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.

**Skin Contact:** Moderately irritating to skin with prolonged exposure.

**Eye contact:** Eye contact is possible and should be avoided.

**Ingestion:** May be ingested by accident. Ingestion may cause irritation and malaise.

Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

Information on toxicological effects

**Acute toxicity (list all possible routes of exposure)**

**Oral Product:** Not classified for acute toxicity based on available data.

**Specified substance(s):**

Titanium dioxide

LD 50 (Rat): > 5,000 mg/kg

Chromium oxide

LD 50 (Rat): > 15,000 mg/kg

Stearic acid

LD 50 (Rat): > 2,000 mg/kg

Aluminum oxide

LD 50 (Rat): > 10,000 mg/kg

Zirconium dioxide

LD 50 (Rat): > 5,000 mg/kg

Amorphous silica

LD 50 (Rat): > 5,000 mg/kg

**Dermal Product:** Not classified for acute toxicity based on available data.
Specified substance(s):
Stearic acid  
LD 50 (Rabbit): > 2,000 mg/kg

Amorphous silica  
LD 50 (Rabbit): > 2,000 mg/kg

Inhalation Product:
Not classified for acute toxicity based on available data.

Specified substance(s):
Titanium dioxide  
LC 50 (Rat): 3.43 mg/l

Chromium oxide  
LC 50 (Rat): > 5.41 mg/l

Crystalline Silica (Quartz)/ Silica Sand  
LC 50: > 5.0 mg/l

Aluminum oxide  
LC 50 (Rat): 7.6 mg/l

Amorphous silica  
LC 50 (Rat): > 2.08 mg/l

Repeated dose toxicity Product:
No data available.

Skin Corrosion/Irritation Product:
No data available.

Specified substance(s):
Titanium dioxide  
in vivo (Rabbit): Not irritant

Chromium oxide  
in vivo (Rabbit): Not irritant

Stearic acid  
in vivo (Rabbit): Not irritant

Aluminum oxide  
in vivo (Rabbit): Not irritant

Amorphous silica  
in vivo (Rabbit): Not irritant

Serious Eye Damage/Eye Irritation Product:
No data available.

Specified substance(s):

Titanium dioxide  
Rabbit, 24 hrs: Not irritating
Chromium oxide  Rabbit, 24 - 72 hrs: Not irritating
Stearic acid  Rabbit, 27 - 72 hrs: Not irritating
Aluminum oxide  Rabbit, 24 hrs: Not irritating
Zirconium dioxide  Rabbit, 24 hrs: Not irritating
Amorphous silica  Rabbit, 24 hrs: Not irritating

Respiratory or Skin Sensitization
Product:  No data available.

Carcinogenicity
Product:  No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
- Titanium dioxide  Overall evaluation: Possibly carcinogenic to humans.
- Crystalline Silica (Quartz)/ Silica Sand  Overall evaluation: Carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens:
- Crystalline Silica (Quartz)/ Silica Sand  Known To Be Human Carcinogen.

- Crystalline Silica (Quartz)/ Silica Sand  Cancer

Germ Cell Mutagenicity
In vitro
Product:  No data available.

In vivo
Product:  No data available.

Reproductive toxicity
Product:  No data available.

Specific Target Organ Toxicity - Single Exposure
Product:  No data available.

Specific Target Organ Toxicity - Repeated Exposure
Product: No data available.

Aspiration Hazard
Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish
Product: No data available.

Aquatic Invertebrates
Product: No data available.

Specified substance(s):
Titanium dioxide
EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication

Chronic hazards to the aquatic environment:

Fish
Product: No data available.

Specified substance(s):
Chromium oxide
NOAEL (Danio rerio, 30 d): 1,000 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study
NOAEL (Danio rerio, 30 d): 0.018 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study

Aquatic Invertebrates
Product: No data available.

Toxicity to Aquatic Plants
Product: No data available.

Persistence and Degradability

Biodegradation
Product: No data available.

BOD/COD Ratio
Product: No data available.
Bioaccumulative potential
Bioconcentration Factor (BCF)
Product: No data available.

Partition Coefficient n-octanol / water (log Kow)
Product: No data available.

Specified substance(s):
Stearic acid Log Kow: 8.23

Mobility in soil: No data available.
Other adverse effects: No data available.

13. Disposal considerations

Disposal methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging: No data available.

14. Transport information

TDG:
Not Regulated

CFR / DOT:
Not Regulated

IMDG:
Not Regulated

15. Regulatory information

US Federal Regulations
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs)
(40 CFR 721, Subpt E)
None present or none present in regulated quantities.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>OSHA hazard(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica</td>
<td>kidney effects</td>
</tr>
<tr>
<td>(Quartz)</td>
<td></td>
</tr>
<tr>
<td>Silica Sand</td>
<td>lung effects</td>
</tr>
<tr>
<td></td>
<td>immune system effects</td>
</tr>
<tr>
<td></td>
<td>Cancer</td>
</tr>
</tbody>
</table>

CERCLA Hazardous Substance List (40 CFR 302.4):

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium oxide</td>
<td>10 lbs.</td>
</tr>
</tbody>
</table>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
- Delayed (Chronic) Health Hazard
- Carcinogenicity

**SARA 302 Extremely Hazardous Substance**
- None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium oxide</td>
<td>10 lbs.</td>
</tr>
</tbody>
</table>

**SARA 311/312 Hazardous Chemical**

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Threshold Planning Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate (Limestone)</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Chromium oxide</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Calcium stearate</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)/ Silica Sand</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Stearic acid</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Aluminum oxide</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Zirconium dioxide</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>10000 lbs</td>
</tr>
</tbody>
</table>

**SARA 313 (TRI Reporting)**

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium oxide</td>
<td></td>
</tr>
</tbody>
</table>

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**
- None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**
- None present or none present in regulated quantities.

US State Regulations

**US. California Proposition 65**
WARNING
Cancer - www.P65Warnings.ca.gov

US. New Jersey Worker and Community Right-to-Know Act
Chemical Identity
Calcium Carbonate (Limestone)
Titanium dioxide
Chromium oxide
Crystalline Silica (Quartz)/ Silica Sand

US. Massachusetts RTK - Substance List
Chemical Identity
Calcium Carbonate (Limestone)
Titanium dioxide
Chromium oxide
Crystalline Silica (Quartz)/ Silica Sand

US. Pennsylvania RTK - Hazardous Substances
Chemical Identity
Calcium Carbonate (Limestone)
Titanium dioxide
Chromium oxide

US. Rhode Island RTK
Chemical Identity
Calcium Carbonate (Limestone)
Titanium dioxide
Chromium oxide

International regulations

Montreal protocol
Not applicable

Stockholm convention
Not applicable

Rotterdam convention
Not applicable

Kyoto protocol
Not applicable

VOC:
Regulatory VOC (less water and exempt solvent) : 0 g/l
VOC Method 310 : 0.00 %
### Inventory Status:

- **Australia AICS:** All components in this product are listed on or exempt from the Inventory.
- **Canada DSL Inventory List:** All components in this product are listed on or exempt from the Inventory.
- **EINECS, ELINCS or NLP:** All components in this product are listed on or exempt from the Inventory.
- **Japan (ENCS) List:** All components in this product are listed on or exempt from the Inventory.
- **China Inv. Existing Chemical Substances:** All components in this product are listed on or exempt from the Inventory.
- **Korea Existing Chemicals Inv. (KECI):** All components in this product are listed on or exempt from the Inventory.
- **Canada NDSL Inventory:** One or more components in this product are not listed on or exempt from the Inventory.
- **Philippines PICCS:** All components in this product are listed on or exempt from the Inventory.
- **US TSCA Inventory:** All components in this product are listed on or exempt from the Inventory.
- **New Zealand Inventory of Chemicals:** All components in this product are listed on or exempt from the Inventory.
- **Japan ISHL Listing:** One or more components in this product are not listed on or exempt from the Inventory.
- **Japan Pharmacopoeia Listing:** One or more components in this product are not listed on or exempt from the Inventory.

### 16. Other information, including date of preparation or last revision

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>09/27/2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version #</td>
<td>2.0</td>
</tr>
<tr>
<td>Further Information</td>
<td>No data available.</td>
</tr>
</tbody>
</table>
Disclaimer: For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.