HAZARDS IDENTIFICATION (ANSI Section 3)

Primary route(s) of exposure: Inhalation, skin contact, eye contact, ingestion.

Effects of overexposure:

Inhalation: Irritation of respiratory tract, lungs. Prolonged inhalation may lead to headache, nausea, coughing, difficulty of breathing, severe lung irritation or damage.

Skin contact: Irritation of skin.

Eye contact: Irritation of eyes. Prolonged or repeated contact can cause tearing of eyes, redness of eyes.

Ingestion: Ingestion may cause mouth and throat irritation, nausea, gastro-intestinal disturbances, abdominal pain.

Medical conditions aggravated by exposure: Eye, skin, respiratory disorders, asthma-like conditions.

EXPOSURE CONTROLS/PERSONAL PROTECTION (ANSI Section 8)

Respiratory protection: Control environmental concentrations below applicable exposure standards when using this material. When respiratory protection is determined to be necessary, use a NIOSH/MSHA (Canadian z94.4) Approved elastomeric sealing- surface facepiece respirator outfitted with organic vapor cartridges and paint spray (dust/mist) prefilters. Determine the proper level of protection by conducting appropriate air monitoring. Consult 29CFR1910.134 For selection of respirators (Canadian z94.4).

Ventilation: Provide dilution ventilation or local exhaust to prevent build-up of vapors.

Personal protective equipment: Eye wash, safety shower, safety glasses or goggles. Impervious gloves, impervious clothing.

STABILITY AND REACTIVITY (ANSI Section 10)

Under normal conditions: Stable see section 5 fire fighting measures

Materials to avoid: Oxidizers, acids, ammonium salts, hydrogen fluoride.

Conditions to avoid: Elevated temperatures, contact with oxidizing agent, freezing, sparks, open flame.

Hazardous polymerization: Will not occur

TOXICOLOGICAL INFORMATION (ANSI Section 11)

Supplemental health information: No additional effects are anticipated

Carcinogenicity: Contains crystalline silica which is considered a hazard by inhalation. IARC has classified crystalline silica as carcinogenic to humans (group 1). Crystalline silica is also a known cause of silicosis, a noncancerous lung disease. The national toxicology program (NTP) has classified crystalline silica as a known human carcinogen. In a lifetime inhalation study, exposure to 250 mg/m3 titanium dioxide resulted in the development of lung tumors in rats. These tumors occurred only at dust levels that overwhelmed the animals' lung clearance mechanisms and were different from common human lung tumors in both type and location. The relevance of these findings to humans is unknown but questionable. The international agency for research on cancer (IARC) has classified titanium dioxide as possibly carcinogenic to humans (group 2b) based on inadequate evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

Reproductive effects: No reproductive effects are anticipated

Mutagenicity: No mutagenic effects are anticipated

Teratogenicity: No teratogenic effects are anticipated

ECOLOGICAL INFORMATION (ANSI Section 12)

No ecological testing has been done by ICI paints on this product as a whole.

DISPOSAL CONSIDERATIONS (ANSI Section 13)

Waste disposal: Dispose in accordance with all applicable regulations. Avoid discharge to natural waters.

REGULATORY INFORMATION (ANSI Section 15)

As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This product has been classified in accordance with the hazard criteria of the CPR (controlled products regulations) and the MSDS contains all the information required by the CPR.
### Physical Data

(ANSI Sections 1, 9, and 14)

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Wt. / Gal.</th>
<th>VOC gr. / ltr.</th>
<th>% Volatile by Volume</th>
<th>Flash Point</th>
<th>Boiling Range</th>
<th>HMIS</th>
<th>DOT, proper shipping name</th>
</tr>
</thead>
<tbody>
<tr>
<td>RL3191</td>
<td>ralph lauren interior matte brilliant white (also tint base)</td>
<td>12.18</td>
<td>80.84</td>
<td>57.04</td>
<td>none</td>
<td>212-501</td>
<td>310</td>
<td>paint ** protect from freezing **</td>
</tr>
<tr>
<td>RL3192</td>
<td>ralph lauren interior matte deep tone tinting base</td>
<td>10.61</td>
<td>51.19</td>
<td>63.51</td>
<td>none</td>
<td>212-501</td>
<td>310</td>
<td>paint ** protect from freezing **</td>
</tr>
<tr>
<td>RL3193</td>
<td>ralph lauren interior matte neutral tinting base</td>
<td>10.12</td>
<td>48.29</td>
<td>67.27</td>
<td>none</td>
<td>212-212</td>
<td>*310</td>
<td>paint ** protect from freezing **</td>
</tr>
</tbody>
</table>

### Ingredients

Product Codes with % by Weight (ANSI Section 2)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Common Name</th>
<th>CAS. No.</th>
<th>RL3191</th>
<th>RL3192</th>
<th>RL3193</th>
</tr>
</thead>
<tbody>
<tr>
<td>limestone</td>
<td>limestone</td>
<td>1317-85-3</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>titanium oxide</td>
<td>titanium dioxide</td>
<td>13463-67-7</td>
<td>20-30</td>
<td>5-10</td>
<td></td>
</tr>
<tr>
<td>quartz</td>
<td>quartz</td>
<td>14808-60-7</td>
<td>1-1.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol</td>
<td>texanol</td>
<td>25265-77-4</td>
<td>1-5</td>
<td>1-5</td>
<td></td>
</tr>
<tr>
<td>nepheline syenite</td>
<td>feldspar-type minerals</td>
<td>37244-96-5</td>
<td>10-20</td>
<td>10-20</td>
<td>5-10</td>
</tr>
<tr>
<td>kieselguhr</td>
<td>diatomaceous earth, uncalcined</td>
<td>61790-53-2</td>
<td>1-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>water</td>
<td>water</td>
<td>7732-18-5</td>
<td>30-40</td>
<td>40-50</td>
<td>50-60</td>
</tr>
<tr>
<td>acrylic resin</td>
<td>acrylic resin</td>
<td>Sup. Conf.</td>
<td>10-20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Chemical Hazard Data

(ANSI Sections 2, 8, 11, and 15)

| Chemical Name | CAS. No. | 8-Hour TWA | STEL | C | S | 8-Hour TWA | STEL | C | S | S.R. Std. | S2 | S3 | CC | H | M | N | I | O |
|---------------|----------|------------|------|---|---|------------|------|---|---|-----------|----|----|----|---|---|---|---|---|---|
| limestone     | 1317-85-3| 10 mg/m3   | not est.| not est.| not est.| 5 mg/m3   | not est.| not est.| not est.| not est.| n | n | n | n | n | n | n |
| titanium dioxide | 13463-67-7| 10 mg/m3   | not est.| not est.| not est.| 10 mg/m3 | not est.| not est.| not est.| not est.| n | n | n | n | n | y | y |
| quartz        | 14808-60-7| 0.25 mg/m3 | not est.| not est.| not est.| 0.1 mg/m3| not est.| not est.| not est.| not est.| n | n | n | n | n | y | y |
| texanol       | 25265-77-4| not est.| not est.| not est.| not est.| not est.| not est.| not est.| not est.| not est.| n | n | n | n | n | n | n |
| feldspar-type minerals | 37244-96-5| not est.| not est.| not est.| not est.| not est.| not est.| not est.| not est.| not est.| n | n | n | n | n | n | n |
| diatomaceous earth, uncalcined | 61790-53-2| not est.| not est.| not est.| not est.| 6 mg/m3 | not est.| not est.| not est.| not est.| n | n | n | n | n | n | n |

**Footnotes:**
- **C:** Ceiling - Concentration that should not be exceeded, even instantaneously.
- **S:** Skin - Additional exposure, may result from skin absorption.
- **n/a:** not applicable
- ppm = parts per million
- mg/m3 = milligrams per cubic meter
- **n** = not est = not established
- **S** = Sara Section
- **H:** Hazardous Air Pollutant
- **M:** Marine Pollutant
- **P:** Pollutant
- **C:** Severe Pollutant
- **CC:** CERCLA Chemical
- **Sup Conf:** Supplier Confidential
- **S.R.Std.:** Supplier Recommended Standard
- **N:** NTP
- **I:** IARC
- **O:** OSHA
- **y:** yes
- **n:** no