HAZARDS IDENTIFICATION (ANSI Section 3)

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

**Effects of overexposure:**
- **Inhalation:** Irritation of respiratory tract. Prolonged inhalation may lead to mucous membrane irritation, drowsiness, dizziness and/or lightheadedness, headache, coughing, sneezing, central nervous system depression, kidney damage.
- **Skin contact:** Irritation of skin. Prolonged or repeated contact can cause dermatitis, defatting.
- **Eye contact:** Irritation of eyes. Prolonged or repeated contact can cause conjunctivitis, tearing of eyes, redness of eyes.

**Ingestion:** Ingestion may cause mouth and throat irritation, dizziness and/or lightheadedness, headache, nausea, vomiting, diarrhea, gastro-intestinal disturbances, severe abdominal pain, abdominal pain, apathy, central nervous system depression, respiratory problems, intoxication, kidney damage, pulmonary edema, loss of consciousness, acute poisoning, respiratory failure, cardiac failure, brain damage.

**Medical conditions aggravated by exposure:** Eye, skin, respiratory disorders, lung disorders, kidney disorders.

FIRST-AID MEASURES (ANSI Section 4)

**Inhalation:** Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eye watering, headaches, dizziness, or other discomfort.

**Skin contact:** Flush from skin with water. Then wash thoroughly with soap and water. Remove contaminated clothing. Wash contaminated clothing before re-use.

**Eye contact:** Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.

**Ingestion:** If swallowed, obtain medical treatment immediately.

FIRE-FIGHTING MEASURES (ANSI Section 5)

**Fire extinguishing media:** Dry chemical or foam water fog. Carbon dioxide. May decompose under fire conditions emitting irritant and/or toxic gases.

**Fire fighting procedures:** Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus.

**Hazardous decomposition or combustion products:** Carbon monoxide, carbon dioxide, oxygen.

ACCIDENTAL RELEASE MEASURES (ANSI Section 6)

**Steps to be taken in case material is released or spilled:** Comply with all applicable health and environmental regulations. Spills may be collected with absorbent materials. Place collected material in proper container.

HANDLING AND STORAGE (ANSI Section 7)

**Handling and storage:** Keep away from heat, sparks and open flame. Keep from freezing.

**Other precautions:** Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use.

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. Use explosion-proof equipment.

**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, aluminum, zinc, ammonium salts, magnesium, sodium, potassium.

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

**Hazardous polymerization:** Will not occur

TOXICOLOGICAL INFORMATION (ANSI Section 11)

**Supplemental health information:** Not determined

**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. NTP has classified crystalline silica a reasonably anticipated carcinogen.

**Reproductive effects:** Not determined

**Mutagenicity:** Not est.

**Teratogenicity:** Some laboratory test results have shown ethylene glycol to be an animal teratogen.

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.

The information contained herein is based on data available at the time of preparation of this data sheet which ICI Paints believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. ICI Paints shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and the users of this material.

### 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>4000-1000</td>
<td>bloxfil 4000 interior/exterior heavy duty acrylic block filler white</td>
<td>13.55</td>
<td>77.69</td>
<td>54.12</td>
<td>none</td>
<td>212-395</td>
<td>*110</td>
<td>paint ** protect from freezing **</td>
</tr>
</tbody>
</table>

### Ingredients

(ANSI Section 2)

#### Product Codes with % by Weight

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Common Name</th>
<th>CAS. No.</th>
<th>4000-1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-ethanediol</td>
<td>ethylene glycol</td>
<td>107-21-1</td>
<td>1-5</td>
</tr>
<tr>
<td>Kaolin</td>
<td>clay</td>
<td>1332-36-7</td>
<td>10-20</td>
</tr>
<tr>
<td>Titanium oxide</td>
<td>titanium dioxide</td>
<td>13463-67-7</td>
<td>1-5</td>
</tr>
<tr>
<td>Quartz</td>
<td>quartz</td>
<td>14808-60-7</td>
<td>1-1.0</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>calcium carbonate</td>
<td>471-34-1</td>
<td>30-40</td>
</tr>
<tr>
<td>Water</td>
<td>water</td>
<td>7732-18-5</td>
<td>30-40</td>
</tr>
<tr>
<td>Acrylic resin</td>
<td>acrylic resin</td>
<td>Sup. Conf.</td>
<td>1-5</td>
</tr>
</tbody>
</table>

### Chemical Hazard Data

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

| Common 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 |
|-------------|----------|------------|------|---|---|------------|------|---|---|----------|----|----|----|---|---|---|---|---|---|---|
| Ethylene glycol | 107-21-1 | not est. | not est. | 100 mg/m3 | not est. | not est. | not est. | not est. | not est. | n y y y n n n n |
| Clay | 1332-36-7 | 2 mg/m3 | not est. | not est. | not est. | 5 mg/m3 | not est. | not est. | not est. | n 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. | n n n n n n n n |
| Quartz | 14808-60-7 | 0.1 mg/m3 | not est. | not est. | not est. | 0.1 mg/m3 | not est. | not est. | not est. | n n n n y y n |
| Calcium carbonate | 471-34-1 | 10 mg/m3 | not est. | not est. | not est. | 5 mg/m3 | not est. | not est. | not est. | n n n n n n n n |

**Footnotes:**

- C= Ceiling - Concentration that should not be exceeded. 
- S= Skin - Additional exposure, 
- n/a= not applicable ppm=parts per million 
- S2= Sara Section 302 EHS 
- S3= Sara Section 313 Chemical 
- Code= CERCLA Chemical 
- Sup Conf= Supplier Confidential 
- N= NTP; I= IARC; O= OSHA; y= yes, n= no