### Section II: Hazardous Ingredient

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>HAZARDOUS INGREDIENT</th>
<th>Percent by weight</th>
<th>ACGIH TLV</th>
<th>OSHA PEL &lt;STEL&gt;</th>
<th>Units</th>
<th>Vapor Pressure (mm Hg)</th>
<th>5500 Poly/SATIN® Acrylic Sealers</th>
<th>5501 Red Oxide</th>
<th>5502 Transparent</th>
<th>8840 Retarder</th>
<th>8841 Urethane Retarder</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-89-8</td>
<td>Lt. Aliphatic HC Solvent.</td>
<td>100</td>
<td>100</td>
<td>PPM</td>
<td>53.0</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>No ingredients in this product are hazardous as defined by the Department of Labor.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>108-88-3</td>
<td>§ Toluene.</td>
<td>50</td>
<td>100</td>
<td>&lt;150&gt; PPM (Skin)</td>
<td>22.0</td>
<td>31</td>
<td>31</td>
<td>13</td>
<td>18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100-41-4</td>
<td>§ Ethylbenzene</td>
<td>100</td>
<td>100</td>
<td>&lt;125&gt;</td>
<td>PPM</td>
<td>7.1</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1330-20-7</td>
<td>§ Xylene.</td>
<td>100</td>
<td>100</td>
<td>&lt;150&gt;</td>
<td>PPM</td>
<td>5.9</td>
<td>8</td>
<td>8</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>67-63-0</td>
<td>2-Propanol</td>
<td>400</td>
<td>400</td>
<td>&lt;500&gt;</td>
<td>PPM</td>
<td>33.0</td>
<td>7</td>
<td>7</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>67-64-1</td>
<td>Acetone.</td>
<td>500</td>
<td>1000</td>
<td>&lt;750&gt;</td>
<td>PPM</td>
<td>180.0</td>
<td>3</td>
<td>3</td>
<td>14</td>
<td></td>
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<tr>
<td>78-93-3</td>
<td>§ Methyl Ethyl Ketone.</td>
<td>200</td>
<td>200</td>
<td>&lt;300&gt;</td>
<td>PPM</td>
<td>70.0</td>
<td>2</td>
<td>2</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>108-10-1</td>
<td>§ Methyl Isobutyl Ketone.</td>
<td>50</td>
<td>50</td>
<td>&lt;75&gt;</td>
<td>PPM</td>
<td>16.0</td>
<td>7</td>
<td>7</td>
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<td></td>
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</tr>
<tr>
<td>110-43-0</td>
<td>Methyl n-Amyl Ketone.</td>
<td>50</td>
<td>100</td>
<td>PPM</td>
<td>2.1</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>123-86-4</td>
<td>n-Butyl Acetate.</td>
<td>150</td>
<td>150</td>
<td>&lt;200&gt;</td>
<td>PPM</td>
<td>10.0</td>
<td>13</td>
<td>13</td>
<td>17</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>90438-79-2</td>
<td>Oxo-Heptyl Acetate.</td>
<td>Not Established</td>
<td></td>
<td></td>
<td></td>
<td>0.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>112-07-2</td>
<td>§ 2-Butoxyethyl Acetate.</td>
<td>Not Established</td>
<td></td>
<td></td>
<td></td>
<td>1.0</td>
<td>56</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>108-65-6</td>
<td>1-Methoxy-2-Propanol Acetate</td>
<td>Not Established</td>
<td></td>
<td></td>
<td></td>
<td>1.8</td>
<td>2</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14807-96-6</td>
<td>Talc</td>
<td>2</td>
<td>2</td>
<td>Mg/M3 as Resp. Dust</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>471-34-1</td>
<td>Calcium Carbonate.</td>
<td>10</td>
<td>15[5]</td>
<td>Mg/M3 [Resp. Fraction]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Carbon Black.</td>
<td>3.5</td>
<td>3.5</td>
<td>Mg/M3</td>
<td>0.2</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### HMIS (NFPA) Rating

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2* - 3 - 0</td>
<td>Flam.</td>
<td>Flam.</td>
</tr>
</tbody>
</table>

### Material Safety Data Sheet

**Poly/SATIN® Acrylic Sealers Urethane**

**Poly/SATIN® Lacquer Primers**

**Material Safety Data Sheet**

The Martin Senour Co.

101 Prospect Ave. N.W.

Cleveland, OH 44115


**Emergency telephone number (216) 566-2917**

**Information telephone number (216) 566-2902**

**July 15, 1999**

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*§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C*
Section 3 — Physical Data

<table>
<thead>
<tr>
<th>PRODUCT WEIGHT</th>
<th>See TABLE</th>
<th>EVAPORATION RATE</th>
<th>Slower than Ether</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>0.88-1.00</td>
<td>VAPOR DENSITY</td>
<td>Heavier than Air</td>
</tr>
<tr>
<td>BOILING RANGE</td>
<td>132-419°F</td>
<td>HEATING POINT</td>
<td>N.A.</td>
</tr>
<tr>
<td>VOLATILE VOLUME</td>
<td>85-100%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 4 — Fire And Explosion Hazard Data

<table>
<thead>
<tr>
<th>FLAMMABILITY CLASSIFICATION</th>
<th>FLASH POINT</th>
<th>See TABLE</th>
<th>LEV 0.5</th>
<th>UEL 13.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXTINGUISHING MEDIA</td>
<td>Carbon Dioxide, Dry Chemical, Foam</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 5 — Health Hazard Data

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. Alcohols and acetates can be absorbed through the skin. Follow recommendations for proper use, ventilation, and personal protective equipment to minimize exposure.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and respiratory death. Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water.

If in EYES: Remove contaminated clothing and launder before re-use.

If SWALLOWED: Urethane Retarder => Get medical attention.

Other Products => Never give anything by mouth to an unconscious person. Do NOT INDUCE VOMITING. Give conscious patient several glasses of water. Seek medical attention.

CHRONIC Health Hazards

Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.

Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, blood forming, cardiovascular and reproductive systems. Methyl Ethyl Ketone may increase the nervous system effects of other solvents.

Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such exposure levels are not attainable in the workplace. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section 6 — Reactivity Data

STABILITY — Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION — Will Not Occur

Section 7 — Spill Or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from Urethane Retarder is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste from other products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from products containing Methyl Ethyl Ketone may also require extractability testing. Incinerate all products in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section 8 — Protection Information

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

These coatings may contain materials classified as nuisance particulates (listed “as Dust” in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m3 (total dust), 3 mg./m3 (respirable fraction), OSHA PEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction). If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive. Wear protective gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated side shields.

Section 9 — Precautions

DOL STORAGE CATEGORY — See TABLE

Precautions to be taken in handling and storing

Keep away from heat, sparks, and open flame.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

Other Precautions

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section 10 — Other Regulatory Information

CALIFORNIA PROPOSITION 65

WARNING: These products, except for 8841, contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Additional information on other additives to these products may substantially alter the composition and hazards of the products. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.