### Material Safety Data Sheet

**Product Identification**

The Martin Senour Co.
101 Prospect Ave. N.W.
Cleveland, OH 44115

Emergency telephone number (216) 566-2917
Information telephone number (216) 566-2902
Date of preparation April 30, 2001


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## Miscellaneous Products

### Section 2 - Hazardous Ingredients

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>CAS Name</th>
<th>ACGIH TLY</th>
<th>OSHA PEL &lt;STEL&gt;</th>
<th>Units</th>
<th>Vapor Pressure (mm Hg)</th>
<th>8840 Universal Retarder</th>
<th>8841 Universal Urethane Retarder</th>
<th>3081 Blending Solvent</th>
<th>3022 Flatting &amp; Thinning Compound</th>
<th>77B SCOURTZ® Flow Additive</th>
<th>87 Fish-eye Eliminator</th>
<th>3084 Urethane Flexible Additive</th>
<th>8884 Low VOC Flex Additive</th>
<th>8883 Tec/SYSTEM® Speed Control Additive</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-89-8</td>
<td>V. M. &amp; P. Naphtha.</td>
<td>300</td>
<td>300</td>
<td>ppm</td>
<td>12.0</td>
<td>28</td>
<td>No ingredients in this product are hazardous as defined by the Department of Labor.</td>
<td>15</td>
<td>3</td>
<td>47</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>108-88-3</td>
<td>Toluene.</td>
<td>50</td>
<td>100</td>
<td>ppm (Skin)</td>
<td>22.0</td>
<td>18</td>
<td>No ingredients in this product are hazardous as defined by the Department of Labor.</td>
<td>0.3</td>
<td>3</td>
<td>47</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100-41-4</td>
<td>Ethylbenzene</td>
<td>100</td>
<td>100</td>
<td>ppm</td>
<td>7.1</td>
<td>2</td>
<td>2</td>
<td>18</td>
<td>1</td>
<td>47</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xylene.</td>
<td>100</td>
<td>100</td>
<td>ppm</td>
<td>5.9</td>
<td>2</td>
<td>2</td>
<td>18</td>
<td>1</td>
<td>47</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>78-83-1</td>
<td>2-Methyl-1-propanol</td>
<td>50</td>
<td>50</td>
<td>ppm</td>
<td>8.7</td>
<td>3</td>
<td></td>
<td>4</td>
<td></td>
<td>47</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>111-76-2</td>
<td>2-Butoxyethanol</td>
<td>25</td>
<td>25</td>
<td>ppm (Skin)</td>
<td>0.6</td>
<td>3</td>
<td></td>
<td>4</td>
<td></td>
<td>47</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>67-64-1</td>
<td>Acetone.</td>
<td>750</td>
<td>1000</td>
<td>ppm</td>
<td>180.0</td>
<td>31</td>
<td></td>
<td>58</td>
<td></td>
<td>47</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>98-56-6</td>
<td>p-Chlorobenzotrifluoride</td>
<td>Not Established</td>
<td></td>
<td></td>
<td></td>
<td>5.3</td>
<td></td>
<td>58</td>
<td></td>
<td>47</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>78-93-3</td>
<td>Methyl Ethyl Ketone.</td>
<td>200</td>
<td>200</td>
<td>ppm</td>
<td>70.0</td>
<td>24</td>
<td></td>
<td>24</td>
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<td>47</td>
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<tr>
<td>123-86-4</td>
<td>n-Butyl Acetate.</td>
<td>150</td>
<td>150</td>
<td>ppm</td>
<td>10.0</td>
<td>21</td>
<td>95</td>
<td>2</td>
<td>1</td>
<td>47</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>110-19-0</td>
<td>Isobutyl Acetate.</td>
<td>150</td>
<td>150</td>
<td>ppm</td>
<td>12.5</td>
<td>12</td>
<td></td>
<td>12</td>
<td></td>
<td>47</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>112-07-2</td>
<td>2-Butoxyethyl Acetate.</td>
<td>Not Established</td>
<td></td>
<td></td>
<td>1.0</td>
<td>56</td>
<td></td>
<td>58</td>
<td></td>
<td>47</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>1.8</td>
<td>4</td>
<td></td>
<td>58</td>
<td></td>
<td>47</td>
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</tr>
<tr>
<td>28182-81-2</td>
<td>Hexamethylene Disocyanate Polymer.</td>
<td>0.5</td>
<td>1.0</td>
<td>mg/m3</td>
<td>Supplier Limit</td>
<td>50</td>
<td></td>
<td>0.2</td>
<td></td>
<td>47</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>822-06-0</td>
<td>Hexamethylene Disocyanate (max.)</td>
<td>0.005</td>
<td>ppm</td>
<td>0.05</td>
<td>0.05</td>
<td>0.2</td>
<td></td>
<td>0.2</td>
<td></td>
<td>47</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz</td>
<td>0.05</td>
<td>0.05</td>
<td>mg/m3</td>
<td>as Resp. Dust</td>
<td>0.2</td>
<td></td>
<td>22</td>
<td></td>
<td>47</td>
<td></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</td>
<td>as Resp. Dust</td>
<td>22</td>
<td></td>
<td>47</td>
<td></td>
<td>47</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Miscellaneous Products**

- **Universal Blending**
- **Universal Flatting**
- **SQUIRTZ® Fisheye Urethane Low VOC Tec/SYSTEM®**

- **Additives**
- **Retarder**
- **Urethane Solvent**
- **Thinning Flow Eliminator**
- **Flexible**
- **Speed Control**
- **Retarder Compound Additive**
- **Additive Additive Additive Additive**

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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>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRODUCT WEIGHT</strong></td>
<td>See TABLE</td>
</tr>
<tr>
<td><strong>MELTING POINT</strong></td>
<td>N.A.</td>
</tr>
<tr>
<td><strong>VAPOR PRESSURE</strong></td>
<td>0.8 mm Hg</td>
</tr>
<tr>
<td><strong>BOILING RANGE</strong></td>
<td>132-419 °F</td>
</tr>
<tr>
<td><strong>VOLATILE VOLUME</strong></td>
<td>0-100 %</td>
</tr>
<tr>
<td><strong>EVAPORATION RATE</strong></td>
<td>Slower than Ether</td>
</tr>
</tbody>
</table>

**HAZARDOUS DECOMPOSITION PRODUCTS**

React with isocyanates, may result in dangerous pressure in, and possible bursting of, closed containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flames. Closed containers may explode when exposed to extreme heat. Surface heat required for decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**INCOMPATIBILITY**

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flames. Closed containers may explode when exposed to extreme heat. Surface heat required for decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**EXTINGUISHING MEDIA**

Carbon Dioxide, Dry Chemical, Foam

**UNSUAL FIRE AND EXPLOSION HAZARDS**

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flames. Closed containers may explode when exposed to extreme heat. Surface heat required for decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**Section 4 — Fire And Explosion Hazard Data**

**HAZARDOUS DECOMPOSITION PRODUCTS**

React with isocyanates, may result in dangerous pressure in, and possible bursting of, closed containers. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flames. Closed containers may explode when exposed to extreme heat. Surface heat required for decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

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**UNSUAL FIRE AND EXPLOSION HAZARDS**

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flames. Closed containers may explode when exposed to extreme heat. Surface heat required for decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**Section 5 — Health Hazard Data**

**ROUTES OF EXPOSURE**

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

**ACUTE HEALTH HAZARDS**

Effects of OVEREXPOSURE: Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness. Prolonged overexposure may cause irreversible CNS damage. Cyanide may cause respiratory depression leading to death. Use for protection against non-volatile materials in Section 2.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

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. Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

Redness and itching or burning sensation may indicate eye or excessive skin exposure. Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

**Section 6 — Reactivity Data**

**STABILITY — Stable**

**CONDITIONS TO AVOID**

None known.

**INCOMPATIBILITY**

Combustion and Explosion: See Section 2.

**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**

If Flexible Additive is spilled, all personnel in the area should be protected as in Section 8. Decontaminate spilled material with a 10% ammonium hydroxide solution (household ammonia). After 10 minutes, collect in open containers and add more ammonia. Cover loosely. Wash spill area with soap and water.

[Table: Waste Disposal Method]

Waste from these 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.

Incompatible 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**

NO PERSON SHOULD USE THE TAKEN FLEXIBLE ADDITIVES, OR BE IN THE AREA WHERE THE ADDITIVES ARE BEING USED, IF HE/SHE HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS OR IF HE/SHE EVER HAD A REACTION TO ISOCYANATES.

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with eyes, skin, or clothing. Use for protection against non-volatile materials in Section 2.

**OTHER LISTED PRODUCTS**

If personal exposure cannot be controlled below applicable limits by ventilation, use a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Sections 2 and 5 may be effective. Follow respirator manufacturer's directions for use. Wear the respirator for the whole exposure period. NO PERSON SHOULD BE ALLOWED IN THE AREA WHERE THIS PRODUCT IS BEING USED UNLESS EQUIPPED WITH THE SAME RESPIRATOR USED BY THE PAINTERS.

**OTHER PROTECTIVE EQUIPMENT**

Use barrier cream on exposed skin when using flexible rubber additives.

**Section 9 — Precautions**

**DO NOT STORE OR USE NEAR**

See Table

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area well ventilated. Keep electrical equipment and electrical appliances away from this product. Turn off stoves, electric tools and appliances, and other sources of ignition. Avoid inhalation of dusts. Use appropriate protective gloves, clothing, and equipment to minimize exposures.

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: These products may be mixed with other components before use. Before opening the packages, read FOLLOW WARNING LABELS ON ALL COMPONENTS. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

**Section 10 — Other Regulatory Information**

**CALIFORNIA PROPOSITION 65**

WARNING: 3022, 3081, 3084, 8684 and 8840 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.