### MATERIAL SAFETY DATA SHEET

#### THE MARTIN-SENOUR CO.

**101 PROSPECT AVE. N.W.**

**CLEVELAND, OH 44115**

**EMERGENCY TELEPHONE NO.**

(216) 566-2917

**INFORMATION TELEPHONE NO.**

(216) 566-2902

**DATE OF PREPARATION**

5 - FEB - 92


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## Body Fillers

### SECTION II

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>HAZARDOUS INGREDIENT (percent by weight)</th>
<th>ACGIH TLV</th>
<th>OSHA STEL</th>
<th>PEL &lt;STEL&gt;</th>
<th>Units</th>
<th>Vapor Pressure (mm Hg)</th>
<th>FIBRE-HARD™ Body filler</th>
<th>MICRO-LITE™ Body filler</th>
<th>MICRO-LITE™ Hardener</th>
<th>FLERE-STRAND™ Body filler</th>
<th>CUZ™ Hardener</th>
<th>BLUE MOON™ Body filler</th>
<th>U-Flo-RT™ Body filler</th>
<th>TECO/Non-Staining Hardener</th>
<th>PAY DAY™ Body filler</th>
<th>PAY DAY™ Body filler</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-42-5</td>
<td>Styrene</td>
<td>50 &lt;100&gt;</td>
<td>50 &lt;100&gt;</td>
<td>PPM 4.3</td>
<td>16</td>
<td>18</td>
<td>16</td>
<td>15</td>
<td>20</td>
<td>18</td>
<td>18</td>
<td>15</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/Mg</td>
<td>as Resp. Dust</td>
<td>&gt;10</td>
<td>&gt;10</td>
<td>&gt;10</td>
<td>&gt;10</td>
<td>50</td>
<td>&gt;10</td>
<td>50</td>
<td>&gt;10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titanium Dioxide</td>
<td>10</td>
<td>10[5]</td>
<td>Mg/Mg [Resp. Fraction]</td>
<td>&gt;1</td>
<td>&gt;1</td>
<td>&gt;1</td>
<td>&gt;1</td>
<td>&gt;1</td>
<td>&gt;1</td>
<td>&gt;1</td>
<td>&gt;1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>94-36-0</td>
<td>Dibenzoyl Peroxide</td>
<td>5</td>
<td>5</td>
<td>Mg/Mg</td>
<td>50</td>
<td>50</td>
<td>45</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>85-68-7</td>
<td>Butyl Benzyl Phthalate</td>
<td>Not Established</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Flash Point (°F) | 90 | 90 | >200 | 90 | 90 | >200 | 90 | 90 | >200 | 90 | >200 | 90 | >200 | 90 | >200 | 90 |
| VOC - Total Volatile Organic Compounds (lbs./gal.) | 2.31 | 1.80 | 0.00 | 2.11 | 2.04 | 0.00 | 2.50 | 1.80 | 0.00 | 1.60 | 0.00 | 2.04 |
| VOC - Less Water and exempt Solvents (lbs./gal.) | 2.31 | 1.80 | 0.00 | 2.11 | 2.04 | 0.00 | 2.50 | 1.80 | 0.00 | 1.60 | 0.00 | 2.04 |
| Photochemically Reactive | No | No | No | No | No | No | No | No | No | No | No | No |
| HMIS® Ratings (Health - Flammability - Reactivity) | 2-3-0 | 2-3-0 | 2-1-1 | 2-3-0 | 2-3-0 | 2-1-1 | 2-3-0 | 2-3-0 | 2-1-1 | 2-3-0 | 2-3-0 |
| PAINT-SAFE® Personal Protection | J3 | J3 | J3 | J3 | J3 | J3 | J3 | J3 | J3 | J3 | J3 | J3 |

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.66 C
Body Fillers

Section III — PHYSICAL DATA

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROJECT WEIGHT</td>
<td>See Table</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>1.1-1.79</td>
</tr>
<tr>
<td>BLOWOUT RANGE</td>
<td>233-244 °F</td>
</tr>
<tr>
<td>Volatile Volume</td>
<td>0-24 %</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

Section IV — FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>FLAMMABILITY CLASSIFICATION</th>
<th>FLASH POINT</th>
<th>BOILING POINT</th>
<th>MELTING POINT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body Fillers</td>
<td>See Table 6.1</td>
<td>100 °F</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V — HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use.

To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

IRRITATION OF EYES, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

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.

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: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
If SWALLOWED: Give several glasses of water. Seek medical attention.

CHRONIC Health Hazards

Styrene is listed by IARC as a possible human carcinogen based on “inadequate evidence” in humans, “limited evidence” in animals, and the fact that it is metabolized to styrene oxide, which has been shown to induce cancer in animals. However, studies of humans exposed for long periods of time to styrene have not demonstrated any carcinogenic effect.

Atex exposure to titanium dioxide dust at 150 mg/m³ developed lung cancer, however, such exposures were not attainable in the workplace. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI — REACTIVITY DATA

STABILITY

Body fillers are stable. Hardeners are unstable and should be stored in cool areas (below 20 °F) away from sources of heat.

INCOMPATIBILITY

Avoid contamination of body fillers and polymerization catalysts such as peroxides and strong acids;
Do not put any mixed material back into the can of unmixed filler.

HAZARDOUS COMBUSTION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION — Will Not Occur

Section VII — 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 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 number.

Incorporate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and local regulations regarding pollution.

Section VIII — PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed as “dust” in Section 11) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 11, the applicable limits for nuisance dusts are 0.01 mg/l (total dust), 0.05 mg/l (total dust), 0.05 mg/l (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 11 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 NICOSH/MSHA for protection against materials in Section 11.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NICOSH/MSHA for dust which may be generated from this product or the abrasive.

Protective Gloves

Wear gloves which are recommended by glove supplier for protection against materials in Section 11.

EYE PROTECTION

Wear safety spectacles with unperforated side shields.

Section IX — PRECAUTIONS

DOL STORAGE CATEGORY

Body Fillers 1
Hardeners 3B

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from heat, sparks, and open flame.

Store in cool, dry, well-ventilated areas, protected from moisture.

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 must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

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

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the end product. 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.