## Starting Formulation

**SF 1811**

**Iron Oxide Primer**

**EPON™ Resin 828 / EPIKURE™ Curing Agent 8537-WY-60**

<table>
<thead>
<tr>
<th>Formula</th>
<th>Material</th>
<th>Supplier</th>
<th>Pounds</th>
<th>Gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Part A</strong></td>
<td>EPON Resin 828</td>
<td>Hexion</td>
<td>114.0</td>
<td>11.85</td>
</tr>
<tr>
<td></td>
<td>HELOXY™ Modifier 8</td>
<td>Hexion</td>
<td>41.0</td>
<td>5.58</td>
</tr>
<tr>
<td></td>
<td><strong>Total Part A</strong></td>
<td></td>
<td>155.0</td>
<td>17.43</td>
</tr>
<tr>
<td><strong>Part B</strong></td>
<td>EPIKURE Curing Agent 8537-WY-60</td>
<td>Hexion</td>
<td>220.0</td>
<td>24.53</td>
</tr>
<tr>
<td></td>
<td>Red Iron Oxide</td>
<td>Elementis Pigments</td>
<td>125.0</td>
<td>2.93</td>
</tr>
<tr>
<td></td>
<td>Barium Sulfate</td>
<td>Elementis Pigments</td>
<td>375.0</td>
<td>10.20</td>
</tr>
<tr>
<td></td>
<td><strong>Total Part B</strong></td>
<td></td>
<td>1,094.0</td>
<td>82.57</td>
</tr>
<tr>
<td></td>
<td><strong>Total Part A &amp; B</strong></td>
<td></td>
<td>1,249.0</td>
<td>100.00</td>
</tr>
</tbody>
</table>

### Mixing Instructions

**Disperse to a texture of 7-8 Hegman, reduce speed, then add**

<table>
<thead>
<tr>
<th>Material</th>
<th>Pounds</th>
<th>Gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td>DI Water</td>
<td>374.0</td>
<td>44.91</td>
</tr>
<tr>
<td><strong>Total Part B</strong></td>
<td>1,094.0</td>
<td>82.57</td>
</tr>
<tr>
<td><strong>Total Part A &amp; B</strong></td>
<td>1,249.0</td>
<td>100.00</td>
</tr>
</tbody>
</table>

### Typical Formulation Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Units</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonvolatile content by weight</td>
<td>%</td>
<td>38.4</td>
</tr>
<tr>
<td>Part A</td>
<td>lb/gal</td>
<td>8.88</td>
</tr>
<tr>
<td>Part B</td>
<td>lb/gal</td>
<td>13.25</td>
</tr>
<tr>
<td>Parts A and B</td>
<td>lb/gal</td>
<td>12.49</td>
</tr>
<tr>
<td>Total weight solids</td>
<td>%</td>
<td>63.2</td>
</tr>
<tr>
<td>Total volume solids</td>
<td>%</td>
<td>44.06</td>
</tr>
<tr>
<td>Property</td>
<td>Value</td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>Pigment volume concentration (PVC)</td>
<td>30.0%</td>
<td></td>
</tr>
<tr>
<td>Volatile Organic Compound (VOC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- lb/gal</td>
<td>0.9</td>
<td></td>
</tr>
<tr>
<td>- g/L</td>
<td>108</td>
<td></td>
</tr>
<tr>
<td>Spray Application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Reduce 10-1 with DI water to 85-90 K.U.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pot life</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- hrs</td>
<td>5-6</td>
<td></td>
</tr>
<tr>
<td>Viscosity @ 25°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Part A</td>
<td>KU</td>
<td></td>
</tr>
<tr>
<td>- Part B</td>
<td>KU</td>
<td></td>
</tr>
<tr>
<td>- Parts A + B</td>
<td>KU</td>
<td></td>
</tr>
</tbody>
</table>

Storage Recommendations regarding storage conditions can be obtained by visiting our website at [www.hexion.com](http://www.hexion.com).

General Information

These are starting formulations and are not proven in the user’s particular application but are simply meant to demonstrate the efficacy of the products and to assist in the development of the user’s own formulation. It is the user’s responsibility to fully-test and qualify the formulation, along with the ingredients, methods, applications or equipment identified herein (“Information”), by the user’s knowledgeable formulator or scientist, and to determine the appropriate use conditions and legal restrictions, prior to use of any Information.

Safety, Storage & Handling

Please refer to the MSDS for the most current Safety and Handling information.

Exposure to these materials should be minimized and avoided, if feasible, through the observance of proper precautions, use of appropriate engineering controls and proper personal protective clothing and equipment, and adherence to proper handling procedures. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheet (MSDS) for these and all other products being used are understood by all persons who will work with them. Questions and requests for information on Hexion Inc. (“Hexion”) products should be directed to your Hexion sales representative, or the nearest Hexion sales office. Information and MSDSs on non-Hexion products should be obtained from the respective manufacturer.

Contact Information

For product prices, availability, or order placement, please contact customer service:  
[www.hexion.com/Contacts/](http://www.hexion.com/Contacts/)

For literature and technical assistance, visit our website at [www.hexion.com](http://www.hexion.com).