Starting Formulation
SF 8013
Prepreg Matrix Solvent MIL-R-9300, Type II
EPON™ Resin SU-8

Introduction
This compound is designed for the impregnation of bi-directional fiber cloth or uni-directional tape to form a tacky, drapable prepreg capable of low pressure molding into composites conforming with the requirements of MIL-R-9300, Type II. Pre-preg stock fabricated from this compound can retain its initial tack and drape qualities for approximately 10 days when sandwiched between release film and stored at room temperature. Thermal stability data suggest the utility of this compound in insulation tapes requiring Class F or Class H performance ratings.

Preparation
Dissolve the EPON Resin SU-8 epoxy resin and Staybelite Ester #10 into the acetone in a closed tank equipped with a condenser, heating jacket and agitator.

Cool the resin solution below 125 °F and add the Nadic Methyl Anhydride and diethylaminoethanol catalyst. Continue agitation until a uniform, clear solution is obtained.

Typical Handling
Table 1 / Typical Properties

<table>
<thead>
<tr>
<th>Properties</th>
<th>Units</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity at 25 °C</td>
<td>cP</td>
<td>100</td>
</tr>
<tr>
<td>Density</td>
<td>lbs/gal</td>
<td>8.73</td>
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<tr>
<td>Gel time, stroke cure at 160 °C</td>
<td>sec.</td>
<td>130</td>
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</table>

Storage
Recommendations regarding storage conditions can be obtained by visiting our web site at 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/

For literature and technical assistance, visit our website at www.hexion.com