DESCRIPTION: Solarite EP-103UF is a flexible one-component heat cure epoxy potting and casting compound, designed specifically for coil impregnation and potting of transformers where low viscosity and penetration into densely populated components is required. It has a low durometer making it well suited to applications requiring thermal shock resistance.

SPECIFICATIONS—UNCURED:
- Color, Visual: Clear
- Viscosity, cps, ASTM-D-2393: 1,400
- Specific Gravity: 1.15
- Gel Time, 100°C, Hours: 2
- Shelf Life, 5°C, Months: 6

SPECIFICATIONS—CURED:

PHYSICAL:
- Durometer, ASTM-D-2240: 45-50D
- Tensile Strength, psi, ASTM-D-638: 6500
- Tensile Elongation, Percentage, ASTM-D-638: 35
- Thermal Conductivity, BTU-in/ft² (Hour) (°F): 1.6
- Service Temperature, °C: 155

ELECTRICAL PROPERTIES:
- Dielectric Strength, Volts/Mil, ASTM-D-149: 435
- Dielectric Constant, 1 kHz, ASTM-D-150: 4.6
- Dissipation Factor, 1 kHz, ASTM-D-150: 0.02
- Volume Resistivity, ohm/cm, ASTM-D-257: 1x10¹⁴
USE INSTRUCTIONS:
1. Pre-mix contents of container before use to ensure the entire contents are uniform. Some settling may occur upon prolonged storage the is soft and easily incorporated.
2. Heat product to 100-175F to lower viscosity and aid pouring if necessary.
3. De- air if necessary at 760 mm of Hg for 5-10 minutes.
4. Pour into cavity to be encapsulated.

CURE SCHEDULE: Dipping and lowest shrinkage: 6-8 hours@200F then 3-5 hours@220F then 2-3 hours@250F and final post cure 1-2 hours@300F. Casting and Potting operations 7-9 hours@200F (lowest shrinkage) and final cure 1-2 hours@300F.

STORAGE REQUIREMENTS:
One component epoxies are pre-catalyzed and have a limited shelf life do not store at elevated temperatures. Store in a cool dry place.

IMPORTANT:
The following supersedes any provision in your company’s forms, letters, and papers. SOLAR COMPOUNDS CORPORATION makes NO WARRANTY, WHETHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES of MERCHANTABILITY OR of FITNESS FOR A PARTICULAR PURPOSE FOR THIS PRODUCT. No statements or recommendations contained in the product literature are to be construed as inducements to infringe any relevant patent, now or thereafter in existence. UNDER NO CIRCUMSTANCES SHALL SOLAR COMPOUNDS CORPORATION BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH of WARRANTY, STRICT LIABILITY OR ANY OTHER THEORY, ARISING OUT of THE USE OR HANDLING of THIS PRODUCT. The sole liability of SOLAR COMPOUNDS CORPORATION for any claims arising out of the manufacture, use or sale of its products shall be to refund the buyer’s purchase price, provided such products have been demonstrated in SOLAR COMPOUNDS CORPORATION’S sole opinion, to justify such refund.

HEALTH CAUTION:
Avoid breathing possible fumes, mists and vapors which can cause severe respiratory damage. Use of NIOSH approved breathing apparatus is required for more than minimal exposure. Always work in areas with adequate ventilation to allow dissipation of polyamine and other chemical fumes, and where applicable, solvent fumes. Use of goggles, protective garments, rubber gloves, protective cream is required. If material gets into eyes, flush thoroughly with clear water for twenty (20) minutes; then seek medical treatment. Avoid skin contact. Material can cause contact dermatitis. Always wash exposed areas immediately, using warm water and soap, followed by rinsing with clean water. Observe all safety precautions. It is important when using solvent based materials or solvents to keep away from open flame or ignition source.

PLEASE REFER TO MATERIAL SAFETY DATA SHEET FOR FURTHER FIRST AID INFORMATION.

FOR CHEMICAL EMERGENCY
CALL CHEMTREC (DAY OR NIGHT) 800-424-9300.