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# TECHNICAL DATA SHEET

## **SOLARITE KF-2591-A9-ALL COLORS** **FLAME-RETARDANT FINISHING COMPOUND**

**USE:** **SOLARITE KF-2591-A9** is designed for use as a finisher over pre-treated cotton braids, rayon braids, or combinations, including glass, for all sizes of braided wire and cable.

**DESCRIPTION:** **SOLARITE KF-2591-A9** is a tough, flexible, flame and moisture-retardant finishing compound. It is formulated to meet all Underwriters' tests plus complies with Bell Laboratories' Specification KS-5482-01 for power and cable wire. **SOLARITE KF-2591-A9** may be used on both large and small sized cables, but is specifically designed to offer superior flame-retardant properties for the smaller sized cables 8 through 14, which generally are the more difficult to flame proof.

**COMPOSITIONS:** **SOLARITE KF-2591-A9** is a combination of high-melting point waxes, polymers, and flame-retardant resins with specially selected fillers.

### **TYPICAL PHYSICAL CONSTANTS:**

Softening Point, ASTM D-36-26.....	207°F – 218°F
Penetration @ 77°F, 100 Grams, 5 Seconds.....	3 - 7
Viscosity, Brookfield Thermocel.....	1700 – 2700 cps @ 350°F
Specific Gravity @ 77°F.....	1.00 – 1.10
Specific Heat.....	0.624 CAL/G/DEGREES C
Temperature of Application.....	285°F – 300°F

**APPLICATION:** **SOLARITE KF-2591-A9** is successfully applied either in a one-pass operation or a two-pass operation in tandem. In both processes, the finisher may be applied either by dip or slushed on by means of a pump to pick-up wheel. Electrically heated or oil jacketed tanks are preferred. Gas heated tanks may be use successfully with proper insulation and baffle area. Steel dies are recommended in both operations, backed up with rubber wipes if found necessary. The use of heated steel dies has also been found very successful. It

is important that the compound be well ironed into the braid with the appearance of a good braid pattern after painting.

**MARKINGS:** Compound number, batch number, gross and net weights, and customer's order number.

**STORAGE:** Can be stored indefinitely.

**TOXICITY:** Non-toxic. However, hoods should be provided over applying tanks.

**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:**

Please refer to Material Safety Data Sheet before using these products.

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

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