CAIG Rosin Soldering Flux
For electrical and electronic soldering applications

1. Part No.:
   RSF-R80

2. Container Size:
   - RSF-R80-8G syringe 8 g
   - RSF-R80-2 jar 56 g
   - RSF-R80-8 jar 226 g
   - RSF-R80-40 pail 18.1 Kg

3. Product Description:
   RSF Rosin Flux is a mildly-activated rosin flux that is considerably more active than water-white rosin. Although its activity closely approaches that of fully activated rosins, it still conforms to all of the requirements of Type RMA (Rosin Core, Mildly Activated) of Federal Specification QQ-S-571. The RSF paste flux meets DOD-STD-2000 & also the IPC-J-004 standard for type ROL0, the lowest residue corrosivity category. Thermal stability enabling excellent wetting and reduced carbonization at soldering temperatures. RSF-R80 Rosin Flux is MADE IN USA.

4. Application:
   The active ingredients in RSF-R80 are non-ionic and non-conductive even in the presence of moisture. Like rosin, it becomes active only at elevated temperatures, reverting to an inactive state at room temperature. It is recommended for all applications where post-soldering cleaning is not feasible, and the residue must be highly insulating.

5. Specifications:
   - Softening Point: 160°F (71°C)
   - Rosin Grade: WW per Fed. Spec. LLL-R-626
   - Acid No. (of Rosin): 150
   - Water Extract Resistivity: 110,000 ohm-cm
   - Effect on Copper Mirror: None
   - Fungus Resistance: Per MIL-E-5272
   - Nonflammable, noncorrosive.

6. Formulation:
   - 50-60% WW Gum Rosin
   - 15-25% Dymerex Rosin
   - 15-25% Diethylene Glycol Dibutyl Ether

7. Residue Removal:
   In applications requiring cleaning, RSF-R80 flux residues can be readily removed using an aqueous saponifier cleaning process. Can be removed by wiping with a cloth or with cleaning solvent (Radio Shack® Precision Electronic Cleaner #644345 or DeoxIT® Flux WASH #DFW-V710).

8. Safety:
   RSF-R80 is not considered toxic; however, its use in typical soldering processes will generate a small amount of decomposition and reaction product fumes. These fumes must be adequately exhausted for operator safety and comfort.

9. Shipping and Additional Information:
   - Hazardous: No, Not regulated

10. Other Information:
    - RoHS Compliant: YES
    - VOC Compliant: YES
    - MSDS Link, RSF-R80: http://store.caig.com/s.nl/sc.18/category.233/.f
    - Product Sheet: http://store.caig.com/s.nl/sc.2/category.2341/.f

11. MANUFACTURER DISCLAIMER:
    To the best of our knowledge, the information contained herein is accurate. However, neither CAIG Laboratories, Inc., or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used with caution. In particular, improper use of our products and their inappropriate combination with other products and substances may produce harmful results which cannot be anticipated. Final determination of the suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist. All service performed on internal parts and equipment should be provided by qualified technicians.

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12. **Contact Information:**

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