

PRODUCT Data Sheet

CAIG Rosin NO-CLEAN Soldering Flux

For electrical and electronic soldering applications

1. Part No.:

RSF-R39

2. Container Size:

RSF-R39-8G	syringe	8 g
RSF-R39-2	jar	56 g
RSF-R39-8	jar	226 g
RSF-R39-3KG	pail	3 Kg
RSF-R39-18KG	pail	18 Kg



3. Product Description:

RSF-R39 Rosin No Clean Flux is a mildly-activated rosin flux that is considerably more active than water-white rosin.

Recommended for electrical and electronic soldering applications - excellent for P.C.B repair and rework. Can be safely left on the circuit board after reflow without cleaning.

No refrigeration necessary

"Made in USA"

4. Application:

The active ingredients in RSF-R39 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:

Appearance: Smooth and tacky amber paste

Viscosity (Malcom): Typically 200 – 280 at 5 rpm @ 25°C

Tack strength (per IPC J-STD-004):

Initial TBD 6 hr @ 50%RH TBD 24 hr @ 50%RH TBD Fineness of Grind < 10 micrometer Acid Number (mg KOH/g) 90-110

Halide content ROL0, per IPC J-STD-004, Halide free

Halogen content None intentionally added

PC SIR J-STD-004B Pass

Bellcore SIR (pass > 1011) Pass, 8.9X10⁹ ,Ohms at 96 hours 2.2X10¹⁰ at 500 hours Pass/Fail = final > initial/10)

Shelf life of unopened containers is nominally 12 months. If the material has been chilled, the container should be allowed to reach room

Nonflammable, noncorrosive.



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Environmentally-Safer Contact Cleaners and
Connector Enhancing Treatments
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Avionics

6. Formulation:

50-60%	WW Gum Rosin
40-50%	Proprietary ingredients

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-R39

Product Sheet:

<http://store.caig.com/s.nl/sc.18/category.233/.f>

<http://store.caig.com/s.nl/sc.2/category.2341/.f>

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