

PRODUCT DATA SHEET

# 5RMA-RC and 5RA-RC

## REACH Compliant Liquid Fluxes

### Introduction

**5RMA-RC** and **5RA-RC** are heat-stabilized rosin fluxes designed for soldering with preforms or wire. They are formulated for use with a wide range of temperatures and metallizations. Both fluxes are free of materials listed in the REACH SVHC list (Q2, 2015).

**5RMA-NC** is a no-clean, mildly activated flux.

**5RA-NC** is compatible with Pb-free alloys, as well as with high-Pb and SnPb alloys.

### Cleaning

**5RMA-RC** is a no-clean flux. Removal of post reflow flux residue is usually not necessary. If cleaning is desired, commercially available flux residue removers can be used.

Because **5RA-NC** is a fully-activated flux, the post reflow residue must be removed. Solvent-based or semi-aqueous cleaners should be used to remove any flux residues.

### Packaging

Standard packaging for **5RMA-RC** and **5RA-RC** are 1 U.S. pint (0.473 liter) and 1 U.S. gallon (3.785 liters).

### Storage and Handling

The shelf life of **5RMA-RC** and **5RA-RC** is 1 year when stored at 0° to 30°C.

Flux should be allowed to reach ambient temperature prior to use. Containers should be labeled with date and time of opening.

### Safety Data Sheets

The SDS for these products can be found online at <http://www.indium.com/sds>

### Other Recommended Products

- Solder preforms
- Solder wire
- Solder research kits

### Recommended Application Notes

- Flux and Solder Compatibility (#97751)
- Common Elements (#98557)
- Pb-Free Solder FAQs (#97758)
- Practical Suggestions for Preform Design (#97763)



	5RMA-RC Flux	5RA-RC Flux
Common surface metallizations	Clean copper, gold, palladium, platinum, silver, solder-plate, tin	Beryllium-copper, brass, bronze, cadmium, lead, nickel, oxidized copper, rhodium
Common alloys to solder	AuSn, indium alloys, SnAg, Sn63, SAC, and other Pb-free alloys	AuSn, high-lead, indium alloys, SAC and other Pb-free alloys, Sn63
Application	Dipping, spray fluxing, spin-coating	Spray fluxing, spin-coating, dipping
Activation	Mildly activated	Fully activated
Flash point	12°C	12°C
Flux type classification	ROL1	ROH1
Solid content	26.72%	20.67%
Typical specific gravity	0.865	0.857
Visual appearance	Amber liquid	Amber liquid
Water resistivity (Ω-cm)	>100,000	<50,000
Cleaning	Not needed	Clean for high reliability

All information is for reference only. Not to be used as incoming product specifications.

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Form No. 99188 (A4) RO

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