

## Product Data Sheet

# OnSpec® Solar Grade 5RA Liquid Flux

### Introduction

**OnSpec® Solar Grade 5RA Liquid Flux** is a heat-stabilized resin flux, designed for soldering preforms. It is formulated for a wide range of temperatures and metals. 5RA was developed for use with Pb-Free alloys, in addition to high-Pb and Sn/Pb alloys.

### Physical Properties

Flux	5RA
Common surface metallizations	Beryllium/Copper, Brass, Bronze, Cadmium, Lead, Nickel,
Common alloys to solder	Oxidized Copper, Rhodium Au/Sn, High-Lead, Indium Alloys, Pb-Free alloys, Sn63/Pb37
Application	Spray fluxing, spin-coating, dipping
Activation	Fully Activated
Flash Point	11°C
Flux type classification	ROM1
Solid content	44%
Typical specific gravity	0.88
Visual appearance	Amber liquid
Water resistivity extract ( $\Omega$ -cm)	>50,000
Cleaning	Needed

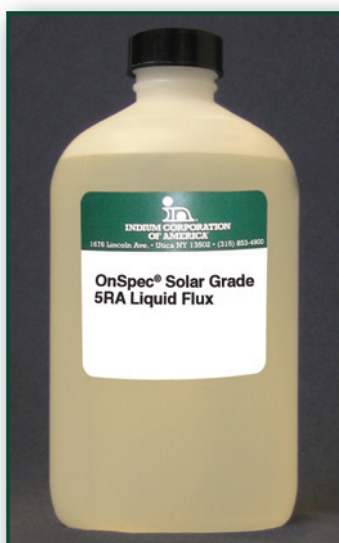
All information is for reference only. Not to be used as incoming product specifications.

### Cleaning

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

### Packaging

Standard packaging for **5RA** is 1 U.S. pint (0.473 liter) and 1 U.S. gallon (3.785 liters).



### Storage and Handling

The shelf life of 5RA is 1 year when stored at 0 to 30°C. Flux should be allowed to reach ambient temperature prior to use. Jars should be labeled with date and time of opening.

### Material Safety Data Sheet

The MSDS for this product can be found online at <http://www.indium.com/techlibrary/msds.php>

This product data sheet is provided for general information only. It is not intended, and shall not be construed, to warrant or guarantee the performance of the products described which are sold subject exclusively to written warranties and limitations thereon included in product packaging and invoices.

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