

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, Oxidized Copper, Rhodium
Common Alloys to Solder	Au/Sn, high-lead, indium alloys, Pb-free alloys, 63Sn/37Pb
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 Extra (Ω -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 0–30°C.

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

Technical Support

Indium Corporation sets the industry standard in providing rapid response, onsite technical support for our customers worldwide. Indium Corporation's team of Technical Support Engineers can provide expertise in all aspects of Materials Science.

Safety Data Sheets

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

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All of Indium Corporation's solder paste and preform manufacturing facilities are IATF 16949:2016 certified. Indium Corporation is an ISO 9001:2015 registered company.

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Form No. 98444 R1



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