

## PRODUCT DATA SHEET

# 5-SLC

## Wafer Flux

### Introduction

**Wafer Flux 5-SLC** is a heat-stabilized rosin flux formulated for a wide range of metals and alloys. It has a wide process window, ranging from 125 to 350°C. Electroplated solder deposits form bright, spherical bumps when made using this flux. **5-SLC** can be applied in dipping, spraying, and spin coating processes, and can be used on Sn/Pb and Pb-free alloys.

### Features

- Halogen-free
- Nitrogen reflow atmosphere

### Typical Uncured Properties

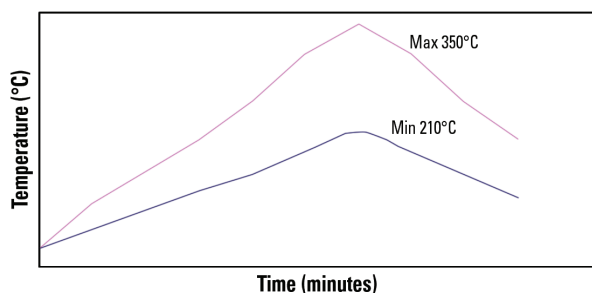
Typical Viscosity	37 centistokes (cSt)
Flash Point	11°C
Flux Type Classification	ROL0
Visual Appearance	Amber color liquid
Reflow Atmosphere	<20ppm O <sub>2</sub>
Density	.092g/cm <sup>3</sup>

*All information is for reference only.*

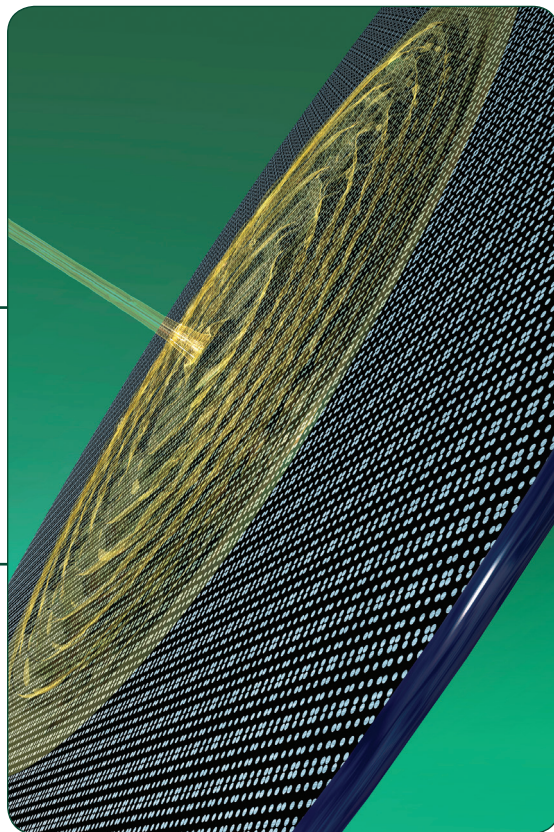
*Not to be used as incoming product specifications.*

### Reflow

#### Recommended Profile:



This is the standard reflow profile for 5-SLC. The time to peak should be about 3 to 5 minutes. The peak temperature should be 20°C more than the melting point of the metal. Time above liquidus should be about 40 to 70 seconds.



### Cleaning

Flux residue is non-corrosive, non-conductive, and non-hygroscopic. Commercially available flux removers may be utilized for cleaning.

### Packaging

Standard packaging for liquid fluxes is 1 US pint (425 grams) and 1 US gallon (3,400 grams) containers.

### Storage and Handling

The shelf life of **5-SLC** is 1 year when stored at 0 to 30°C. Flux should be allowed to reach ambient temperature prior to use.

### 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 and Semiconductor Packaging process applications.

### Safety Data Sheets

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

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