

PRODUCT DATA SHEET

343

Wave Solder Flux

Introduction

Wave Solder Flux 343 is designed to meet current no-clean and historic MIL-F-14256 specifications. This flux does not contain any activator additives for improving fluxing action. Rosin is the only flux activator, making this flux the least corrosive type of flux.

The residue remaining from **Wave Solder Flux 343** is hard, non-hygroscopic, non-tacky, and transparent. While it is not necessary to remove the residue, it can be cleaned from circuit boards and fixtures using a saponifier or common flux residue remover.

Features

- High solids no-clean rosin containing flux
- Meets IPC J-STD-004C as flux type ROL0, MIL-F-14256 as flux type R
- Rosin provides a high amount of heat stability
- Residue after soldering contains very low levels of ionic content

Application

Wave Solder Flux 343 can be used on copper, gold, silver, tin, lead-free and tin-lead surfaces that are not tarnished. The flux can be applied by foaming, dipping, dispensing, or brushing.

Safety Precautions

All fluxes with low flash points should be handled with utmost care and precaution. Store in a dry, well-ventilated area. Flame, sparks, and direct heating should be avoided.

Packaging

Wave Solder Flux 343 is available in 1- and 5-gallon containers, and 55-gallon drums.

Physical Properties

| | |
|--|----------------|
| J-STD-004C Flux Type Classification | ROL0 |
| Nominal Solids | 40 |
| Color | Amber |
| Acid Value mgKOH/g | 63 |
| Specific Gravity @15.5°C (60°F) @25°C (77°F) | 0.893 0.889 |
| Flash Point | 54 |
| Shelf Life | 2 years |

Technical Support

Indium Corporation's internationally experienced engineers provide in-depth technical assistance to our customers. Thoroughly knowledgeable in all facets of Materials Science as it applies to the electronics and semiconductor sectors, Technical Support Engineers provide expert advice in solder properties, alloy compatibility and selection of solder preforms, wire, ribbon, and paste. Indium Corporation's Technical Support Engineers provide rapid response to all technical inquiries.

Safety Data Sheets

Please refer to the SDS document within the product shipment, or contact our local team to receive a copy.

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. All Indium Corporation's products and solutions are designed to be commercially available unless specifically stated otherwise.

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.

From One Engineer To Another®

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Form No. 100083 R1

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