

# PRODUCT DATA SHEET

## 42-SS

### Soldering Flux

#### Introduction

**42-SS** is a water-based inorganic salt formulation developed for soldering stainless steel and other difficult-to-solder metals.

**42-SS** provides fast wetting and effective oxide removal for dependable soldering.

#### Features

- Excellent thermal stability
- Rapid wetting action
- Use on stainless steel and difficult-to-solder metals
- Water-based

#### Process Recommendations

**42-SS** residue can be removed with water or water with 1–2% hydrochloric acid. **42-SS** does not require thinning; if necessary, the flux can be diluted with water.

#### Physical Properties

Specific Gravity	1.520
Pounds/Gallon	12.73
Solids Content	57%
Flash Point	None
Flux Type	INH1
Shelf Life	3 years

*All information is for reference only.*

*Not to be used as incoming product specifications.*

#### Packaging

- 5-gallon containers
- 55-gallon drums

#### Technical Support

Indium Corporation's internationally experienced engineers provide in-depth technical assistance to our customers. Thoroughly knowledgeable in all facets of Material 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 Sheet

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®

Contact our engineers: [askus@indium.com](mailto:askus@indium.com)

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