

PRODUCT DATA SHEET

Indalloy® Flux #6

Introduction

Indalloy® Flux #6 is a viscous liquid flux formulated for the purpose of soldering aluminum. **Indalloy® Flux #6** also has proven to be an effective flux for soldering to NiTi (Nitinol) alloys. Other metals for use with **Indalloy® Flux #6** are: copper, brass, chrome, and stainless steel.

Due to its corrosive nature, **Indalloy® Flux #6** is not recommended for electronics applications.

Cleaning

Flux residue removal is mandatory and may be accomplished by means of warm water and mechanical scrubbing. Cleaning should be performed as soon as possible after the soldering operation to avoid corrosion. The cleaning water temperature should be 60°C. A warm water sonication may also be a means of flux residue removal.

Solder Alloy Compatibility

Indalloy® Flux #6 works best with tin-containing alloys with zinc, silver, or copper.

Flux Application

Due to the higher viscosity, **Indalloy® Flux #6** will adhere to the surface to be soldered allowing easier processing.

Technical Specifications

Indium Part Number (IPN)	84727
Activation Range	96–343°C
Specific Gravity	1.30gm/cc
Flash Point	180°C TCC
Chloride Content	Chloride-free
pH	9.5
Appearance	Yellow viscous liquid
Cleaning	Warm water (60°C) with ultrasonic or mechanical scrubbing
Shipping	Transport in accordance with applicable regulations and requirements

All information is for reference only.

Not to be used as incoming product specifications.

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®

Contact our engineers: askus@indium.com

Learn more: www.indium.com



Form No. 100081 R0

ASIA +65 6268 8678 • CHINA +86 (0) 512 628 34900 • EUROPE +44 (0) 1908 580400 • USA +1 315 853 4900



©2023 Indium Corporation