

## SECTION 1: Description

The No-Clean Solder Wire **IF-NC-91** is developed as the final solution to eliminate the use of solvents for cleaning in the electronics industry. The **IF-NC-91** Flux integrates into the electronics industry as a complement to the newer generations of Low Residue Liquid Fluxes. The **IF-NC-91** Flux Formula leaves minimal residues and makes cleaning completely unnecessary. Its excellent wetting and fluxing activities allow the residues to remain without the need of removal, and yet comply with the IPC J-STD-004B test requirements.

## SECTION 2: Flux Properties

State	:	Tack-free hard solid
Colour	:	Clear Transparent
Specific Gravity @ 20°C	:	1.085
Flux Content (% by weight)	:	2.0 (+0.2)
Flux Classification (J-STD-004)	:	ROLO
Silver Chromate Paper Test	:	No discolouration
Copper Plate Corrosion (J-STD-004)	:	Passed
Surface Insulation Resistance (in ohm)	:	>1.0 x 10 <sup>12</sup>
Spreading Coefficient (in %)	:	>92%

## SECTION 3: Wire Specifications



Wire Alloy Composition : Sn63Pb37 / Sn60Pb40

Specific Gravity (gm/cm<sup>3</sup>) : 8.40

Melting Range : 183°C / 183-191°C

Wire Length Per Spool (other diameters upon request)

- 0.5mm Diameter : 293.3m (approximate)
- 0.6mm Diameter : 238.7m (approximate)
- 0.8mm Diameter : 134.3m (approximate)
- 1.0mm Diameter : 85.9m (approximate)

Spool Sizes Available : 0.5 kg

## SECTION 4: Composition Specifications (in % per unit weight measurement)

Element	Sn	Pb	Sb	Cu	Bi	As	Fe	Al	Zn	Cd	Ag
Sn63Pb37	63 ± 1%	Remainder	Max 0.500	Max 0.010	Max 0.050	Max 0.025	Max 0.008	Max 0.002	Max 0.002	Max 0.005	Max 0.035
Sn60Pb40	60 ± 1%	Remainder	Max 0.500	Max 0.010	Max 0.050	Max 0.025	Max 0.008	Max 0.002	Max 0.002	Max 0.005	Max 0.035

## SECTION 5: Safety Notes

The Data and Statements herein are considered reliable. It is not to be construed as a warranty or representation for any legal responsibility since Interflux has no control over the conditions of use. We advise that all chemical products be used only by, or under the direction of technically qualified personnel. Usage of this flux-cored wires, just like all other solder products, should be conducted in an area with adequate ventilation and exhaust to remove flux fumes from the work area. Wash hands thoroughly with soap and water after handling this product before the handling of food or meals.