Technical Product Information

ELFLUX 1003 NC

General Description

ELFLUX 1003 NC is a solvent-based, halide-free, rosin-free organic no clean flux developed for the tinning of copper cables and wires in dip soldering baths. ELFLUX 1003 NC allows the user to achieve outstanding soldering results. The solder joints are low in residues and cleaning is not required.

Classification

ELFLUX 1003 NC is classified as ORL0 per DIN EN 61190-1-1 and per IPC ANSI/J-STD-004.

Technical Specification

	ELFLUX 1003 NC	Thinner 200
Appearance	Transparent, clear liquid	Transparent, clear liquid
Smell	Mild alcoholic	Mild alcoholic
Density [g/cm^3] (20 °C)	0.811 ± 0.003	0.785 ± 0.003
Solid content [%] (per IPC-TM-650 2.3.34)	5.9	None
VOC content [%]	> 90, solvent-based	100, solvent-based
Acid number [mg KOH/gFlux]	47 ± 2.5	< 1
Halides [%]	None	None
pH value (20°C)	4.1	Neutral
Flash point [°C]	12	12
Ignition temperature [°C]	399	399
Recommended thinner	Thinner 200	

Application

ELFLUX 1003 NC can be applied by dipping or spraying (Ultra-sonic).

General Safety Precautions

ELFLUX 1003 NC should be used according to industrial standards of practice. For safety advice please refer to the material safety data sheet.

Packing Sizes

ELFLUX 1003 NC is available in containers of 10 L or 20 L.

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Storage

ELFLUX 1003 NC is flammable.
Store away from sources of ignition.
Due to the hygroscopic nature of the flux it should only be stored in closed containers.

Shelf Life

Under adequate conditions ELFLUX 1003 NC can be stored in original unopened containers for a minimum of 12 months.

The information contained herein is based on technical data that we believe to be reliable and is intended for use by persons having technical skill, at their own risk. Users of our products should make their own tests to determine the suitability of each product for their particular process. TAMURA ELSOLD will assume no liability for results obtained or damages incurred through the application of the data presented.

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