

Technical Product Information

ELFLUX 1005S

General Description

ELFLUX 1005S is an active, solvent based flux. ELFLUX 1005S is ready for use, the activity of 1005S is in between organic and inorganic activated fluxes. Active flux components are decomposed at soldering temperature and leave just small amounts of residues.

Areas of Use

ELFLUX 1005S is effective on Copper and Copper-alloys, Tin and Nickel plated surfaces as well as on Iron. Flux can be applied by dipping, brushing or spraying.

Flux residues are not corrosive in many applications, as components are decomposed and volatilized at soldering temperature. When used with local heat application only minimum amount of flux should be applied. Flux, which will not reach soldering temperature as well as splashed flux spots on cooler surfaces can cause corrosion later. Flux residues can be brushed off with water.

Classification

ELFLUX 1005S is classified as ORLO per DIN EN 61190-1-1.

Technical Specification

| ELFLUX 1005S | |
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| Appearance | Clear, colorless to pale yellow liquid |
| Smell | Mild alcoholic |
| Density [g/cm ³] (20 °C) | 0.900 ± 0.003 |
| Solid content [%] (per IPC-TM-650 2.3.34) | 16 |
| pH value | 2 – 4 |
| Acid number [mg KOH/gFlux] | 31 ± 5 |
| Halides [%] | Nil |
| Flash point [°C] | 12 |
| Ignition temperature [°C] | 399 |
| Recommended thinner | Ethanol |

Cleaning

Cleaning of flux residues: flux residues can be brushed off with tap water or alcohol.

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General Safety Precautions

ELFLUX 1005S should be used according to industrial standards of practice.
For safety advice please refer to the material safety data sheet.

Packing Sizes

ELFLUX 1005S is available in containers of 5 L, 10 L or 20 L.

Storage

ELFLUX 1005S is a flammable liquid. Keep stored in closed container away from any sources of ignition.
Recommended storage temperature 5 – 25 °C.

Shelf Life

Under adequate conditions ELFLUX 1005S 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.