

Technical Product Information

ELSOLD Electronic Flux 045

General Description

ELSOLD Electronic Flux 045 is a homogeneous solution of natural rosin in alcohol. ELSOLD Electronic Flux 045 results in excellent solder joints. The residues are not hygroscopic and not conductive.

Areas of Use

ELSOLD Electronic Flux 045 has been specially designed for soldering of circuits with very high requirements regarding the product reliability (aviation and space applications). However, it is also suitable for other general soldering work.

Classification

ELSOLD 045 is classified as 1111 per DIN EN ISO 9454-1, ROL0 per DIN EN 61190-1-1 1 and J-STD-004 (as well as the previous type F-SW31 per DIN 8511 and type R per QQ-S-571).

Technical Specification

ELSOLD Electronic Flux 045 is available in two versions with different solid content, i.e. 45% and 17%:

	045 45%	045 17%
Appearance	Amber liquid	Amber liquid
Density at 20 °C [g/cm ³]	0.901 ± 0.005	0.831 ± 0.005
Acid number [mgKOH/gFlux]	71 ± 5	28 ± 5
Flash point [°C]	13	13
Boiling point of the solvent [°C]	78	78
Free acids	None	None

Ethanol of a purity of min 96% should be used if dilution is required to maintain the specific properties of the product.

Cleaning

If it is necessary to remove the flux residues, this can be achieved very effectively by the use of alcohol or commercially available cleaners.

General Safety Precautions

ELSOLD Electronic Flux 045 should be used according to industrial standards of practice. For safety advice please refer to the material safety data sheet.

Packing Sizes

The product is shipped in disposable plastic containers of 10 or 20 liters.

Storage

The product is easily flammable and adequate precautions should be taken for storage.

Shelf Life

ELSOLD Soldering Flux 045 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.