

ORGANIC FLUX 1027

MANUFACTURE OF BATTERIES IN THE C.O.S. PROCESS

➊➤ PRODUCT DESCRIPTION

STTS 1027 flux is a multi-purpose water-based flux formulated from the synthesis of acids and amines. Due to its free acidity this flux has good 'pickling' power or activity.

This flux is eliminated by sublimation in the range of temperatures where lead and alloys used for battery manufacturing melt. Since no residual salts or combustion residues remain after soldering (casting), problems linked to conductivity (self-discharge) and corrosion is solved when using this technology.

As stated it is without combustion residues, the pieces remain in their original state and the flux does not pollute the welding or tinning baths.

➋➤ PRODUCT CHARACTERISTICS

Main Compounds

Bromo hydrated amine salts, wetting agents, inhibitors.

Physical Characteristics

Appearance	Amber liquid
Density at 20°C	1.125 +/-0.01 g/cm ³
pH	1

Main Characteristics

Organic flux with good pickling power and is totally eliminated at the welding temperature.

➌➤ PRODUCT APPLICATIONS

The organic flux 1027 is intended for the manufacturing of batteries on automatic lines (COS process).

This flux can be used over a range of temperatures from 280°C to 450°C. It is totally eliminated when dipping the lugs in the tinning or soldering bath.

➍➤ DIRECTIONS FOR USE

STTS 1027 flux can be used undiluted or it can be diluted with water depending on the state of the lugs (oxidised or dirty).

➎➤ USING CARE AND RECOMMENDATIONS

Without particular risk

Refer to health and safety datasheets before use.