817 Soldering Flux
Inorganic Acid Fluxes

Product Description

Kester Inorganic Acid Fluxes are solutions of inorganic salts for use as general all purpose fluxes. These fluxes are active formulations for soldering difficult-to-solder metals. The Inorganic Acid Fluxes were developed for non-electronic soldering applications and provide maximum wetting, leaving residues which can be removed with water. The corrosive nature of the residues precludes their use for electrical or electronic applications. Flux residues should be carefully removed to prevent corrosion caused by residual chloride salts. All formulations can be used for soldering with an iron, torch, oven induction coils or resistance tools.

Although this is a mild flux, it is a very active solution developed for soldering nickel-chrome and stainless steel alloys where regular acid fluxes such as 715 are not active enough to remove the resistant oxide coatings.

817 is classified as INH1 per IPC J-STD-004.

RoHS Compliance

This product meets the requirements of the Restriction of Hazardous Substances (RoHS) Directive, 2015/863 for the stated banned substances.

Physical Properties

Specific Gravity: 1.422 ± 0.015

Percent Solids: 43.3

Flash Point: None

Appearance: Clear, colorless to light yellow liquid

Cleaning

All inorganic fluxes have the potential to form water insoluble, chloride complex residues such as lead chloride. Kester 5760 Neutralizer will solubilize these residues for complete removal with water. Complete removal of residues left when soldering with 817 can be assured by rinsing with a 1% solution of hydrochloric acid. This should be followed by a rinse with a 2-10% solution of 5760 Neutralizer and a final rinse with clean water.

Storage, Handling and Shelf Life

Shelf life is 3 years from the date of manufacture when handled properly and held at 10-25°C (50-77°F).

Health and Safety

This product, during handling or use, may be hazardous to your health or the environment. Read the Safety Data Sheet and warning label before using this product.

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