

5744 Solder Saver®

Product Description

Kester 5744 Solder Saver® is a chloride-free, inorganic white powder formulated to remove dross, which is the oxide of solder, from still solder pots and wave soldering machines. Unlike most active reducing materials, Kester 5744 does not decompose to sticky residues that are harder to remove than the original dross. Kester 5744 has been designed to be low fuming and is stable at soldering temperatures and has been shown to be effective up to 380°C (720°F). This makes the 5744 a good candidate for both tin-lead and lead-free solder baths. Unlike flammable, messy, organic based solder cover chemicals, Kester 5744 is a nonflammable powder that remains a solid while it is working and is easily removed from the solder pot after it is used. Reducing tin oxide back to tin metal will greatly reduce dross scrap and will help keep the soldering pot surface clear of residues.

Physical Properties

Appearance: White Crystals

Melting Point: Sublimes >300°C

Flash Point: None

Application Notes

Kester 5744 must be used on a still solder pot surface. All solder wave pumping and agitation action must be turned off. The pot temperature should be controlled to 232-260°C (450-500°F). Cover the solder surface with Kester 5744 by sprinkling the powder on the pot in a thin covering layer, no greater than 6.4mm (0.25in) thick. Slowly mix the salt with the surface of the solder with a metallic solder ladle or a metal spatula. Allow the salt 10 seconds after mixing to convert the dross back to solder. Move any dross on the pot into the salt covered surface to convert the dross to metal. When done, remove the dross recovery salt and other dirt residues with a metallic solder ladle or a metal spatula. All of the Kester 5744 should be removed from the solder surface. Kester 5744 is intended to be used as received.

Storage and Shelf Life:

Kester 5744 should be stored in sealed containers. Shelf life is 3 years from date of manufacture when handled properly and held at -10-45°C (14-113°F).

Health & Safety:

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

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