



QUALITEK®

Super Deox #1H Dross Recovery Powder

DESCRIPTION

Super Deox #1H is a white powder formulated to reduce and prevent oxides of *high temperature, lead-free* (>200°C) solders, commonly known as dross, on still pots and wave solder machines. Many competitive dross-reducing materials are based on mineral oils and fatty acid compounds that breakdown and deposit on the PCB assemblies. Super Deox #1 is a stable, low fuming, high melting compound with no flash or fire points. No smoke or fumes are generated when solder pot temperatures are below 485°F.

BENEFITS

- Low fuming
- Less alloy waste
-

PHYSICAL & CHEMICAL CHARACTERISTICS

Color and Appearance	Solid White Powder
Flash Point	None
Shelf life (un-opened)	Indefinite
Recommended Solder Pot Temperature	
Sn96.5/Ag3.5	500-530 °F (260-276 °C)
Sn95/Ag5	536-565 °F (280-296 °C)
Sn99.3/0.7Cu	510-530 °F (265-276 °C)
SnAgCu	520-530 °F (271-276 °C)
Sn95/Sb5	536-565 °F (280-296 °C)

APPLICATION

The following procedure should be performed periodically to reduce solder costs. Super Deox #1H should be used whenever there is an excess of dross that hinders the soldering process, or when a yellowish surface (tin oxide) is seen on the molten solder.

- 1) Solder pot temperature set at temperatures indicated on Table . The wave must be turned off. And all dross moved to the side of the bath ready for removal.
- 2) Completely cover the collected dross surface with approximately 1/8 inch of Super Deox #1H by sprinkling it over the surface.
- 3) Using a spoon or spatula that will not contaminate the solder pot, work the Super Deox #1H by gently “chopping” it into the solder dross.
- 4) The process will take several seconds to complete. The Super Deox #1H will move about the surface of the solder dross and react with all oxides of tin and lead, converting them back into their metallic state.
- 5) After completion of the dross recovery process, remove all remaining dross, dirt, and other contaminants with a spoon or spatula. Complete removal of the Super Deox #1H particles is recommended.

PACKAGING & STORAGE

Super Deox #1H is available in 1, 10, 25, and 50 pound containers. It should be stored in dry place.

TEL: (630) 628-8083 FAX: (630) 628-6543 E-MAIL: solder@qualitek.com HOME PAGE:<http://www.qualitek.com>

HEADQUARTERS: 315 Fairbank St., Addison, IL 60101 U.S.A.

WORLDWIDE BRANCHES: UNITED KINGDOM – MEXICO – CHINA – PHILIPPINES - SINGAPORE

QUALITEK INTERNATIONAL, INC. AN ISO 9002 CERTIFIED COMPANY

This data is based on information that the manufacturer believed to be reliable and offered in good faith. Qualitek International, Inc. makes no warranties expressed or implied as to its accuracy and assumes no responsibilities and liabilities arising out of its use by others as conditions and methods of use of the products is beyond the control of Qualitek International, Inc. The user must determine the suitability of the product before using it on a commercial basis. The warranties extend only to the conformity of the product to the physical descriptions. In no event will Qualitek International, Inc. be responsible for special, incidental and consequential damages whether the claim is in contract, negligence or otherwise.

Rev: 07012005-superdeox1H

Consult MSDS for health and safety information