



QUALITEK[®] SUPER DEOX SD #1 AND SD #1H

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Description

Super Deox #1 and Super Deox #1H both consist of white powder formulated to reduce and prevent oxide formation of solder, known as dross. Super Deox #1 and #1H may be used on wave soldering equipment as well as still solder pots. Both SD #1 and #1H are stable, low fuming powders with no flash points. Other dross-reducing agents contain mineral oils and fatty acid compounds that breakdown and may deposit on printed circuit board assemblies. Super Deox #1H has been formulated specifically for oxide reduction of high temperature, lead-free alloys (>200 °C).

Main Features

- Powder-form dross reducer
- Low fuming
- High Temperature Lead-Free version available
- Reduces alloy waste

Technical Data

	Specification
Color and Appearance	White Crystalline Powder
Flash Point	None
Shelf Life	3 years from DOM

Application

Before use, the wave must be turned off. Sprinkle either Super Deox #1 or Super Deox #1H over the surface about 1/8 inch in thickness. Use a spoon or spatula to gently mix the Super Deox with the solder. SD #1 and SD #1H will move to the surface of the solder and react with the oxides of the solder, converting them back into their metallic state.

Recommended Solder Pot Temperatures

Super Deox #1

450 – 485 °F (232 – 252 °C)

Super Deox #1H

Sn96.5/Ag3.5	500 – 530 °F (260 – 276 °C)
Sn95/Ag5	536 – 565 °F (280 – 296 °C)
Sn99.3/Cu0.7	510 – 530 °F (265 – 276 °C)
Sn/Ag/Cu	520 – 530 °F (271 – 276 °C)
Sn95/Sb5	536 – 565 °F (280 – 296 °C)

Storage & Shelf Life

Super Deox should be stored in cool, dry environment. Shelf life is 3 years from date of manufacture.

Packaging

Super Deox #1 and Super Deox #1H are available in 1, 10, 25 and 50 lb. containers.

Disposal

Super Deox #1 and #1H contain hazardous ingredients so should be disposed of in accordance with federal, state and local authority requirements.

Qualitek® is a brand of Qualitek International, Inc. For Health and Safety Information, refer to Safety Data Sheet.