



SS-200 Solder Stripper

DESCRIPTION

SS-200 solder stripper is a stabilized hydrogen peroxide based solution formulated to strip solder and tin. The product offers extremely short strip times and long bath life in both spray and immersion applications. SS-200 has the ability to dissolve 20oz. /gal. of solder or more before being spent. SS-200 also can be used as a rack stripper. It has no "Nitric" fuming/staining and leaves a cleaner rack than traditional Nitric stripping.

Benefits:

1. Long lifetime. Excellent stripping capacity.
2. Fast stripping speed.
3. Excellent copper finish.
4. Can strip fused solder (rework and tips).

Application:

Immerse the board in SS-200 solution for approximately 60 seconds or until the board is stripped. SS-200 solder stripper is exothermic in nature when in operation. Do not allow the temperature to increase above 90oF. Do not dilute or add anything to SS-200 Solder Stripper. SS-200 solder stripper should be discarded when the etching rate has decreased considerably.

OPERATING PARAMETERS

Make-Up	100% SS-200 by volume
Temperature	Room temperature
Immersion Time	30 sec to 2 min in batch mode
Process	Vertical batch or Horizontal Spray
Agitation	Mechanical in batch mode
Ventilation	Advised
Tanks	Polypropylene, CPVC
Racks and Baskets	PVC coated
Heaters	Not necessary
Filtration	Not necessary



PHYSICAL PROPERTIES

Specific gravity	1.11-1.13
Appearance	Clear liquid
pH	<3
Odor	Acrid
Flash Point	>200F

CONTROL PROCEDURES

SS-200 can be controlled through panel count, specific gravity, or stripping speed. Typically SS-200 is replaced when the strip speed becomes unacceptable.

An optional analysis for hydrogen peroxide content is shown in section V. below. We do not recommend adding hydrogen peroxide. The analysis could be used to determine the activity level and to set a dump point.

ANALYSIS

Analysis of this bath is not required. An optional analysis for hydrogen peroxide is shown below. This should be used only to help in the determination of a dump point. Do not add hydrogen peroxide to this bath.

1. Pipet 10 mL of SS200 into a 100 mL volumetric flask.
2. Dilute to the mark with 10% HCl solution, and mix well.
3. Pipet 1 mL of the dilute solution into a titration flask.
4. Add 50–75 mL of DI water.
5. Add 3 – 4 drops of Ferroin indicator solution.
6. Titrate with 0.1 N Ceric Ammonium Sulfate solution from orange to the blue endpoint.
7. Calculation:

Hydrogen peroxide level (% activity) = (mLs of 0.1 N Ceric Ammonium Sulfate) x 14

SAFETY AND STORAGE

SS-200 is acidic and should be handled with care. Use the appropriate PPE when handling or working with SS-200. Avoid open flames. Do not store in direct sunlight, high temperature or below freezing. Store in original uncontaminated container with vented caps. SS-200 contains hydrogen peroxide and ammonium bifluoride. Fluorides are very dangerous and should be handled with care. See the MSDS for further information.

WASTE TREATMENT

SS-200 solutions are acidic and may contain lead. Spent SS-200 should be neutralized and disposed of in accordance with local and federal regulations. Spent SS200 solutions may not be placed in a container without first lowering the hydrogen peroxide concentration to less than 3% by volume based on a fresh SS200 bath being at 50% by volume. Please ask a Florida CirTech technical sales rep. for more information regarding waste treatment of this chemistry and our complete line of waste treatment line if additional help or information is desired.

MISCELLANEOUS

Packaged in 5-gallon pails and 55-gallon drums. Consult MSDS sheet for additional information.