Solder Cleaner 2000

Solder Cleaner 2000 is an acidic liquid product used for immersion cleaning, neutralizing solder circuit boards after alkaline etching of the copper, or for cleaning and reactivating the solder surface of boards that have been stored for longer periods of time.

Solder Cleaner 2000 is a moderate to high foam product, do not use in spray equipment unless a high level of foam is desired.

Solder Cleaner 2000 is a very effective solder flux remover. In the custom jewelry industry, it eliminates the dull/black spot from the earring posts prior to electroplating.

Features & Benefits

Non-fuming	Safer to work with
“Wetted”	Fast action; higher productivity
Inhibited	Reduces chance of over etch, less rejects
Contains fluoride	Faster removal of tenacious oxides, higher productivity

Operating Conditions

Concentration	Use as received
Temperature	Ambient
Time	30 – 90 sec
Equipment	Polypropylene, Polyethylene or rubber lined tanks

<u>Additional Applications</u>
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0.000000056 in/min (0.000056 mils/min)

Titration Method

1. Place about 90 mL of water into a 250 mL Erlenmeyer flask.
2. Pipette 10 mL of Solder Cleaner 2000.
3. Add 6 to 8 drops of Phenolphthalein indicator and mix well.
4. Titrate rapidly with 1.0 N Sodium Hydroxide solution to a definite pink color. The color will fade rapidly.
5. Record mL used.

Calculations

Concentration = mL 1.0 N NaOH x 10.3

Waste Disposal

Neutralize Solder Cleaner 2000 to a pH between 6.0 to 8.0 with soda ash or caustic soda. When adding either of the alkaline materials, add slowly to avoid splashing. Do not use a glass electrode to check for the pH range.

Neutralization of Solder Cleaner 2000 will precipitate all the tin and most of the lead. Small quantities of sodium sulfite may have to be added to precipitate the remaining lead. After all the metallics have been precipitated, the solution may be discharged to a chemical sewer or disposal unit.

Caution

The temperature of Solder Cleaner 2000 should be kept above 32°F (0°C) to prevent salting out. However, if the product does salt out it will re-dissolve when the temperature exceeds 32°F (0°C).

Solder Cleaner 2000 is an acidic product and should be handled accordingly. Avoid skin, eye and oral contact. Wear protective clothing, gloves and goggles when handling the product. Flush exposed areas immediately with clean, cold water. Contact a doctor immediately in case of injury.

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