



EZ 6001 Solder Stripper

DESCRIPTION

EZ6001 Solder Stripper is a one part nitric-based solder stripper. It has been specifically designed to rapidly strip solder and solder/copper intermetallics in one step. EZ6001 has been designed in a unique way to minimize sludging and provide long life. Anti-tarnishing agents and inhibitors have also been added to minimize attack on copper and provide a bright finish on the copper with minimal oxidation.

Benefits:

1. Long lifetime. Excellent stripping capacity.
2. No sludging.
3. Excellent copper finish.
4. Excellent stability.

Application:

EZ6001 Solder Stripper has been formulated for dip-tank applications. EZ6001 can also be used as the second part of a two-part solder stripper system where the EZ6001 is used to remove the inter-metallic layer. SSA+B solder stripper would be used as the first-part of this two-part system. The advantage in using EZ6001 is that the high aspect ratio holes are stripped more easily. EZ6001 contains a surfactant which works as a fume suppressant.

OPERATING PARAMETERS

Make-Up	100% EZ 6001, Use as supplied
Temperature	75-110°F (24-43°C)
Immersion Time	30 seconds to 2 minutes
Process	Dip tank
Agitation	Mechanical. Improves stripping in small holes
Ventilation	Advised
Tanks	Polypropylene, Polyethylene, CPVC
Racks and Baskets	PVC Coated
Heaters	Teflon coils, Quartz
Filtration	Not necessary
Cooling coils	If temperature exceeds 115F, Teflon cooling coils are recommended



PHYSICAL PROPERTIES

Specific gravity	1.17-1.19
Appearance	Clear yellow-green liquid
pH	<2
Odor	Acrid
Flash Point	>200F

CONTROL PROCEDURES

Replenishments can be made to working solution. When the stripping time exceeds four minutes, an addition of EZ6001 concentrate should be made. Specific gravity analysis can be used as a rough measure of loading and bath life. The maximum specific gravity that can be reached with a spent EZ6001 solution is about 1.25 – 1.27.

ANALYSIS

Analysis Specific gravity analysis (optional)

1. Tare a 100 mL volumetric flask on an electronic balance with a capacity of at least 300 grams.
2. Fill the flask to the mark with EZ6001 solution
3. Weigh the full flask and record the mass of EZ6001 solution
4. Calculation:

$$\text{Specific gravity (g/mL)} = (\text{mass in grams}) / 100 \text{ mL}$$

SAFETY AND STORAGE

EZ6001 is a corrosive, acidic solution containing inorganic and organic acids. It also contains a strong oxidizer agent. Avoid breathing vapors. CONTAINS NITRIC ACID. Use in a well-ventilated area. When handling concentrate or working solution, wear protective clothing, gloves and chemical safety goggles. In case of skin contact, remove contaminated clothing and flush affected area with plenty of cold water. In case of eye contact, flush immediately with plenty of cold water and seek medical attention immediately.

Store EZ6001 in its original container. Keep away from direct sunlight and temperature extremes.

WASTE TREATMENT

EZ6001 contains organic and inorganic acids. In the process of stripping tin and tin lead from copper clad material, some copper may be removed and dissolved in solution. The spent working solution of EZ6001 may be treated by pH adjusting the solution to a pH above 10 with dilute caustic soda. Allow the precipitate to settle. Filter the solution and make a final pH adjustment of the solution to between 6 and 8 with dilute sulfuric acid before sending the spent solution to chemical treatment sewer for final metal removal. Consult with local officials for further waste disposal regulations.

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

Available in 5-gallon carboys and 55-gallon drums. Consult MSDS sheet for additional information.