

# Solder Stripper 200 XP

Solder Stripper 200 XP is an export version of our Solder Stripper 200 that does not contain hydrogen peroxide. Hydrogen Peroxide is added at the customer site as instructed under operating conditions below.

Solder Stripper 200 XP is a liquid acidic product developed for dissolving solder from circuit boards and contact fingers by a simple immersion operation. It has been formulated to dissolve solder with minimal attack on the underlying copper.

## Features & Benefits

Fast (average rate 0.4 – 0.52 mils per minute)	High productivity
Minimal copper attack (0.0000015 inches per minute)	Less chance of rejects
Operates at room temperature	Low energy cost
Requires no post-dip or pre-dip	Short process sequence; low equipment cost
Not classified as an oxidizer for export	Lower shipping cost

## Operating Conditions

Concentration	Solder Stripper 200 XP: 87% by vol. (86% by wt.)  Hydrogen Peroxide (50%) 13% by vol. (14% by wt.)
Temperature	65°F – 85°F Do not heat above 100°F
Immersion time	1– 2 min to strip solder from board
Equipment	PVC Polyethylene, or Koroseal-



	do not use glass or fiberglass containers
Control	When the stripping rate becomes excessively long, discard the bath.

Stripping rate

Solder Stripper 200 XP should strip .0003" solder plated board in 1 to 1 1/2 minutes but may widely vary from this figure depending on thickness of solder and the age and condition of the board. Thin coatings will strip in 1/2 minute, while heavy or resistant coatings may take 2 1/2 - 3 minutes.

**Titration Method**

The usual procedure is to discard the Solder Stripper 200 XP when the stripping rate becomes excessively long. However, there are times when a titration procedure is of value and for this reason Hubbard-Hall includes it in the product bulletin.

1. Using a plastic pipette, pipette a 1 mL sample of Solder Stripper 200 XP into a 250 mL Erlenmeyer flask containing 75 - 100 mL of water.
2. Add 5 mL of concentrated Sulfuric Acid.
3. Titrate with 0.1N Potassium Permanganate solution with constant swirling until a pink color develops.
4. Record mL used.

Note: A freshly prepared H-H Solder Stripper 200 XP will titrate: 44.0 to 48.0 mL of 0.1 N Potassium Permanganate.

**Waste Disposal**

Neutralize Solder Stripper 200 XP solution to a pH of 6.0 to 8.0 with either soda ash or caustic soda. When adding either of the alkaline materials - add slowly to avoid splashing. Do not use a glass pH electro to check for the pH range.

Neutralization of the Solder Stripper 200 XP will precipitate all the tin and most of the lead. Small quantities of sodium sulfate may have to be added to precipitate the remaining lead. After all the metals have been precipitated, the solution may be discharged to settling tank.

Another option is to have the spent Solder Stripper 200 XP solution taken away by a permitted waste hauler to an approved site for disposal.



**Cleaning**  
the Hard to Clean



**Finishing**  
the Hard to Finish



**Treating**  
the Hard to Treat

In all cases, please check with the local authorities for the specific restrictions in your area

## Caution

Solder Stripper 200 XP is a strongly acidic product. When mixed with Hydrogen Peroxide for use it is also a strongly oxidizing solution. Avoid skin, eye and oral contact. Wear protective clothing, gloves and goggles when handling the product. Also avoid fume inhalation. Flush exposed areas immediately with clean, cold water. Contact a doctor immediately in case of injury.

WARRANTY: THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.

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## Our people. Your problem solvers.

For more information on this process please call us at

1-800-648-3412

or [techservice@hubbardhall.com](mailto:techservice@hubbardhall.com)

