

Standard Operating procedures for the disposal of acid bath

Warning: Hydrochloric acid is very hazardous, especially for the eyes. All operations should be carried out in a well-ventilated fume hood. The operator must be in proper PPE. Be familiar with the location of the eye wash and safety shower before you begin.

Step 1: Divide the acid bath solution (dil HCl) into smaller portions by placing them into 500 mL beakers.

Step 2: Half-fill a 1L beaker with water.

Step 3: Dilute each portion of acid by adding it into the beaker of water (Caution: Add the acid into the water, and not the reverse.)

Step 4: To the dilute acid solution, add sodium carbonate to neutralize. Continue adding till no effervescence is seen.

Step 5: Neutralized solution to be collected by licensed toxic industrial waste collector. If it contains heavy metals, the neutralized solution should be collected as hazardous waste.

Approved By:

A handwritten signature in black ink, appearing to be 'S. J. ...', written over a white background.