



**A Unique Powdered
Reagent Blend
Safely & Quickly
Neutralizes
Formaldehyde &
Glutaraldehyde**

**Simply add one bottle of Form-Zero™ Reagent
to each gallon of 10% Formalin waste or 4% Glutaraldehyde waste**
No pH Adjustment required No Drain Clogging Polymers

Product # FZ550-12 Packaged 12 x 500cc bottles of Form-Zero Reagent Powder per case
Product # FZ550-32 Packaged 32 x 500cc bottles of Form-Zero Reagent Powder per case

Each Bottle of Form-Zero safely & efficiently neutralizes one gallon of 10% formalin or 4% Glutaraldehyde

Instructions for Use with

10% Neutral Buffered Formalin (4% formaldehyde) and 4% Glutaraldehyde waste solutions.
For use on aqueous solutions of 10% neutral buffered formalin and up to 4% glutaraldehyde.

1. Collect waste in a designated collection container.
2. Use a funnel with “screen insert” while collecting waste to remove tissue debris from waste.
3. Add the entire contents of one Form-Zero bottle to each gallon (128-fl.oz.) or to 4-liters of aldehyde waste.
4. Secure Lid on the Collection Container and agitate container to thoroughly mix solutions, making sure the agitation ultimately results in complete dissolution of Form-ZERO.
5. Allow the mixed solutions to stand for 20-25 minutes for the reaction to be complete.
6. To test treated solution when required for any aldehyde residual prior to disposal, follow Instructions for: Formaldehyde Residual Screening Test Kit.
7. Pour treated waste into sanitary sewer and rinse container with **cold** tap water, preparing it for re-use.

FormZERO Product Description:

FormZERO is a powdered reagent blend of various sulfur-containing inorganic salts which readily dissolve in aqueous solutions and subsequently function as chemical reducing agents. These reducing agents chemically react with formaldehyde to effectively neutralize Formalin waste products and yield a non-hazardous solution that can be safely discharged to a sanitary sewer and wastewater treatment systems.

Description and Summary of EPA Certified Analytical Results on Form-Zero Neutralized Formalin Waste

A volume of 10% neutral buffered formalin waste was collected from a histology-pathology lab and sent via a certified carrier to an EPA certified Analytical Laboratory (EPA Lab). The EPA Lab was instructed to treat 1 gallon of this 10% formalin waste with 1 bottle of Form-Zero powder reagent and to designate this batch as Client Sample I.D. # 16-A. Sample 16-A was then allowed to react over 25-minutes, once neutralized this batch was then analyzed as follows; An Aquatic Toxicity Study was conducted using, an EPA Certified **Acute Fish Bioassay Definitive Test for Hazardous Waste**. This study consisted of Ten minnows exposed to a range of Form-Zero neutralized formalin waste concentrations for 96-Hours. For waste to be classified as “Non-Hazardous” 60% of the exposed minnows must survive this 96-hour exposure at a concentration level ≥ 500 mg/L.

The EPA Certified Lab results demonstrated a 100% survival rate was achieved at concentrations up to 2000 mg/L.
This study shows a 100% survival rate at concentration 4 times higher than the minimum critical exposure level of 500 mg/L

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