

Vinegar Eko-Bleach

This recipe is based on Elian Mikkola's recipe for [Eko-Bleach](#) with slight modifications and added instructions for home disposal.

This recipe produces a 1L solution with .25% Peracetic Acid and 7.5% Hydrogen Peroxide.

NOTE: Peracetic acid is harmful to the skin, eyes and respiratory tract. Therefore, protective equipment is required when preparing and handling this solution.

Protective Equipment:

Gloves

Eye Protection

Mask/Respirator

Ingredients:

700ml Water

220ml 35% Hydrogen Peroxide

80ml White Vinegar (~5% Acetic Acid)

Preparation:

Combine ingredients in order, mixing well at each step.

Usage:

Bleach film approximately 5 minutes at 40C.

Home Disposal (per liter of Vinegar-Eko Bleach):

2.5L Water

5mg Baking Soda

5mg Baker's Yeast

Combine Eko-Bleach with 2.5L of water to dilute H2O2 to 3%.

Add 5mg baking soda to neutralize peracetic acid.

Add 5mg baker's yeast to catalyze the ($\text{H}_2\text{O}_2 \rightarrow \text{H}_2\text{O} + \text{O}$) reaction.*

Dispose of in drain

* This step initiates an exothermic reaction that will heat up the solution.