

**Bid List No. 0750**

**FOUNTAIN SOLUTION CONCENTRATE FOR SHEETFED OFFSET PRESSES**

**PROPERTY NO. 044300**

**SPECIFICATION**

**General Requirements**

The fountain etch concentrate must be formulated to contain organic wetting agents or other surface tension lowering agents that will permit an isopropyl alcohol content of 5% or less in the fountain solution used on sheetfed offset presses with continuous flow dampening systems. The fountain solution must be compatible with black and colored inks used at GPO to print line work, halftones, and solids. The product shall not cause appreciable plate wear on additive-type anodized aluminum offset plates or negative-working subtractive photopolymer offset plates such as the Kodak Polymatic L plate.

**SPECIFIC REQUIREMENTS**

The product shall contain gum arabic, no synthetic substitutes. It shall contain none of the toxic pollutants designated in 40 CFR Part 401.15 and subsequent EPA regulations. Specific maximum limits on metals are:

Cadmium (total)...0.68 mg/1  
Chromium (total)...3.96 mg/1  
Copper (total)...2.55 mg/1  
Lead (total)...0.34 mg/1  
Nickel (total)...2.32 mg/1  
Silver (total)...0.57 mg/1  
Zinc (total)...2.38 mg/1  
Mercury (total)...none detected

**WORKING CONCENTRATION OF PRODUCT:** 2.5 ounces per gallon maximum (20 m1/1)

**pH:** 3.5 to 5.0 at working concentration in tap water having an average hardness of 110-140 parts per million, as calcium carbonate.

Flash point (Tag Closed Cup) of concentrate: 140°F (60°C) min.

**Shelf Life:** One-year minimum when stored at 40°F to 80F. (10°C to 26.7°C). During this time the etch concentrate should not sour or separate. Each container should be labeled with an expiration date.

**Sample Requirement:** A 5-gallon sample and Material Safety Data Sheet are required for testing. If the initial performance test is satisfactory a drum will be required for a week's extended testing.

**The following products have been tested and are satisfactory:**

Graphex Litho Systems: Graphex Supreme Soft No. J-504008  
Anchor/LithKemKo: Emerald GR Soft No. 1250  
Printers Service: Prisco 2351

Ecotec:  
Rycoline Products Co.:

Top Gun II  
Blue Chip Combination No. 5-142A

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