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Formosul

Sodium Formaldehyde Sulfoxylate

Please read the directions carefully before starting.

Use Formosul to strip color and discharge print on cotton, silk, wool and nylon. Not all colors strip 100%. It is important to work in a well-ventilated area and use gloves, safety glasses and a cartridge respirator fitted with an acid gas cartridge. Always do test samples before working on a large project. For additional information visit our web site at www.prochemical.com.

- ✘ Wear rubber gloves, apron, or old clothes and cover work area with newspapers.
- ✘ Dye and stripping utensils should never be used for food preparation.

Supplies

Immersion Discharge

- Formosul
- Citric Acid Crystals (wool, silk and nylon discharge)
- Synthrapol

Discharge Printing

- Formosul
- PRO Dye Activator or Soda Ash (cotton discharge)
- Citric Acid Crystals (wool, silk and nylon discharge)
- PRO Thick SH
- Metaphos
- Synthrapol

Procedure

Immersion discharge on one pound (454 gm) of wool or silk.

1. Make the discharge bath by mixing together 2½ gallons (10 liters) 120° to 140°F (50° to 60°C) water and 3 Tbl (48 gm) Formosul in a non reactive metal pot, such as stainless steel or unchipped enamel. Stir until completely dissolved.

2. Add the fiber. Add 1 pound (454 gm) of wet fiber to the discharge bath. Heat discharge bath to a boil (if discharging silk heat water to 180°F (82°C) only). Once hot, very carefully add 3 Tbl (45 ml) Citric Acid Crystals. Stir intermittently for 30 to 40 minutes. The more stirring the more even the discharge results. Rinse well and wash in hot 140°F (60°C) water with ½ tsp (1.25 ml) Synthrapol. Fiber can be over dyed without further treatment. If enough color is not removed, rinse fiber and treat again.

Discharge Printing

1. Mix the thickener paste. Dissolve ½ tsp (3.5 gm) Metaphos in 2 cups (500 ml) of 110° to 120°F (44° to 50°C) water. Slowly add 3 Tbl (24 gm) PRO Thick SH while rapidly stirring. Let mixture stand for 10 to 15 minutes or several hours until smooth.

2. Make the discharge paste. This makes 1 quart (1 liter) of discharge paste.

	Neutral Formula (wool, silk & nylon)	Acidic Formula (wool, silk & nylon)	Alkaline Formula (cotton & rayon)
95°F (35°C) water	1½ cups (375 ml)	1½ cups (375 ml)	1½ cups (375 ml)
Formosul	10 Tbl (150 gm)	10 Tbl (150 gm)	10 Tbl (150 gm)
PRO Dye Activator or Soda Ash	---	---	5 Tbl (50 gm)
Citric Acid Crystals	—	4 tsp.	---
thickener paste	2 cups (500 ml)	2 cups (500 ml)	2 cups (500 ml)

Completely dissolve Formosul in water. It is sometimes helpful to begin dissolving the Formosul the night before you want to make the discharge paste. Once the Formosul is completely dissolved, add the citric acid crystals or dye activator (if necessary) and mix until dissolved. Add the thickener paste and stir until mixed.

3. Apply the discharge paste to the fabric. Print, paint, or stencil the discharge pattern onto the fabric. Let discharge paste completely dry. Steam for 10 to 15 minutes. Rinse well and wash hot with ½ tsp (1.25 ml) Synthrapol and dry.