



# ORGANIC DYESTUFFS CORPORATION

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## CORPORATE OFFICE

65 Valley Street  
P.O. Box 14258  
East Providence, RI

TEL: (800) 556-6785

TEL: (401) 434-3300

FAX: (401) 434-2390

## ORCOSOFT NP<sup>®</sup>

**Description:** **Orcosoft NP** is a polyethylene type fabric softener in liquid form for easy dispersion in either hot or cold water. This softener contains no free waxes, has good resistance to scorch yellowing, has no adverse effect on light-fastness and will actually improve fabric tear strength. **Orcosoft NP** is one of the most durable softeners available.

**Properties:**

<i>Appearance -</i>	Off-white opalescent emulsion
<i>Ionic Nature -</i>	Nonionic
<i>pH -</i>	9.0 to 9.2

**Applications:** *Resin Finishing Additive:* The use of various melamine, urea, and glyoxal resins on 100% cotton and polyester/cotton not only create a harsh hand but also lower abrasion resistance and tensile strength of the cellulose. By using **Orcosoft NP** these properties are improved without any appreciable impairment of shrinkage or crease recovery.

*Sewability :* The aforementioned resins also cause problems for the converters who have to sew this material since the resin acts as a friction agent and causes high heat problems during sewing, thus needles become dull and clogged with this material. The use of **Orcosoft NP** prevents this buildup because of its lubricating action which allows the needle to pass through with negligible friction.

*Additive for Stain Release Fabrics -* Presently most stain release agents consist of either acrylic or fluoro-carbon finishes which like the permanent press finishes also cause needle clogging problems which can be remedied by the use of small percentages of

### **Orcosoft NP.**

*Pigment Padding and Printing -* Although many of the acrylic emulsions being used for pigment binding are fairly soft, the hand becomes fairly harsh when loaded with high amounts of pigments. The use of 1.0 to 2.5% owb of **Orcosoft NP** will provide a softer more natural hand with little or no effect on fastness unlike most cationic and nonionic fatty type softeners. Being nonionic this product is compatible with most systems.

**Application:**

*Sizing agent:* **Orcosoft NP** may be used as a sizing agent for polyester filaments to provide lubrication.  
*Softener lubricant:* Used as a softener lubricant for water repellent finishes.

**Procedures:**

*For resin (or starch) finishing 100% cotton:* Resin finish fabrics lose strength and create sewing problems. To recover part of the lost strength and improve sewing properties, use from 1.0 to 3.0% owb **Orcosoft NP** can be added directly to a cold or hot bath.

*For fabric blends (polyester and cotton):* Blends of polyester and cotton, when treated with **Orcosoft NP**, show improved strength and abrasion resistance. When used in conjunction with resin finishes, this softener will reduce or eliminate resin buildup on sewing needles.

*100% Polyester* - Use 0.5 to 1.5% owg **Orcosoft NP** to improve sewing properties of polyester without leaving a "waxy" hand.

C O L O R A N T S F O R A L L I N D U S T R I E S

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BRANCH OFFICE: NORTH CAROLINA DIVISION  
1015 Concord Parkway N · Concord, NC 28027  
TEL: 800-783-6955  
TEL: 704-786-1118  
FAX 704-788-2415