



ORGANIC DYESTUFFS CORPORATION

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TECHNICAL BULLETIN

ORCO DYE ASSIST S POWDER®

- Description:** **Orco Dye Assist S Powder** is an effective *dispersing agent* for dispersed dyes, an excellent *leveling agent* for the dyeing of wool or nylon, and is also utilized as a *detergent intensifier* in scouring.
- Properties:**
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|----------------------------------|---|
| <i>Chemical classification</i> - | high molecular weight naphthalene condensate. |
| <i>Physical appearance</i> - | tanish powder. |
| <i>pH</i> - | 7.5 ± .5 for a 5% solution |
| <i>Wetting draves</i> - | less than 25 seconds for a 1% solution |
| <i>Solubility</i> - | 25 parts will dissolve in 75 parts water. |
- Applications:** **Orco Dye Assist S Powder** when used as a *dispersing agent* for disperse dyes will eliminate dye specs and will yield maximum color value. **Orco Dye Assist S Powder** shows exceptional results when used for *retarding*, *wetting*, or as a *leveling agent* for the dyeing of wool or nylon. Can be used in all types of wool or nylon dyeing procedures, whether stock, package or piece dyeing. It shows outstanding results when used to prevent tippy dyeing on wool or wool blend stocks. Also shows exceptional leveling when using **Orcolan** dyes (neutral premetallized) and **Orco Milling** dyes. It is also a good complexing agent for **Orcozine** dyes (basic dyes). **Orco Dye Assist S Powder** is utilized as a *detergent intensifier* in scouring when added to the scouring bath in addition to the normal detergent and alkali. It increases the emulsifying and dispersing properties of the detergent when scouring oily woolen yarns.
- Procedures:**
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|---------------------|--|
| <i>Leveling</i> - | add 1 - 2% owg Orco Dye Assist S Powder to the bath set a between 100-120°F(38-49°C). Circulate for 10 - 15 minutes to insure the dissolving of the Orco Dye Assist S Powder . |
| <i>Dispersing</i> - | an equal amount of Orco Dye Assist S Powder and Orcocilacron disperse dyestuff should be mixed together, pasted with cold water and then diluted with more water and strained into dye bath. |
| <i>Scouring</i> - | add 1 - 2% owg Orco Dye Assist S Powder . This would be added to normal scouring baths along with the regular detergent and alkali used. |
- Notes:** For optimum results, **Orco Dye Assist S Powder** should be evenly distributed through the goods before the dyestuff is added. At this time, add acid and all chemicals. Dyestuff should be the last substance added. Bath is brought to dyeing temperature and dyeing carried out in the normal manner.

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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