

AVCO-CLEAN ARC

LIQUID REDUCTIVE CLEANING AGENT, EFFECTIVE IN ACIDIC BATH

AVCO-CLEAN ARC is a user friendly liquid reducing agent, suitable for reduction clearing of dyeing made with disperse dyes on polyester, polyester blends and acetate. AVCO-CLEAN ARC is replacing alkali reductible clearing processes, and is mostly effective under acidic conditions. AVCO-CLEAN ARC is composed of fully biodegradable components, with no potential for bio-accumulation, and with no evolution of toxic compounds during biodegradation. AVCO-CLEAN ARC is non – hazardous at all. Use of AVCO-CLEAN ARC ensures an economic

SPECIFICATION:

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| Appearance | Colourless,clear liquid |
| Chemical nature | Aqueous solution of sulphinic acid derivative. |
| Density (gr/cc) | 1.15- 1.20 |
| Ionic | Anionic |
| Solubility | Soluble in water at any ratio |
| pH (10%) | 9- 10.5 |
| Compatibility | <ul style="list-style-type: none"> a. Compatible with alkali and with nonionic and anionic surfactants b. Do not mix product directly with acids. Add acid after products is dissolved in the dye-bath. c. Is not compatible with oxidizing agents and with chemicals sensitive to reducing agents. d. Stable to hard water. |
| Storage | <p>When stored in cool place (< 40°C).</p> <p>Product shelf life is at least 12 months.</p> |

Technical – Information

PROPERTIES & USES:

1. Suitable for reductive clearing processes of dyeings made with disperse dyes. The product removes the unfixed dyestuffs from the fibres surface, and improves the washing and rubbing fastness properties of the dyed textile.
2. Effective in acidic pH conditions. Can be applied in the end of the dyeing with no intermediate rinsing. No need to shift the pH of the reductive clearing bath to alkaline pH as required for hydrosulfite process, and of course, no need to shift it back to acid pH as usually required in final finishing processes.
3. Use of AVCO-CLEAN ARC in the disperse dyeing processes at 80 C saves time (about 01 hour) and saves water consumption (up to 40%) as compared to the conventional "hydro-alkaline" reductive clearing process.
4. AVCO-CLEAN ARC helps to keep cellulose fibres unstained when dyeing blends of polyester with cellulosic fibres.
5. Recommended for reductive clearing of polyester blends with other fibres sensitive to alkaline pH (such as Acetate, Polyester/ Elastane).
6. Use of AVCO-CLEAN ARC system respects the ECO-TEX standard of final acidic pH on fabrics without special excess treatments.
7. AVCO-CLEAN ARC is a liquid product and can be metered as is to the dyeing machine.
8. AVCO-CLEAN ARC is non-foaming.
9. AVCO-CLEAN ARC is non hazardous product.
10. AVCO-CLEAN ARC is readily biodegradable.

APPLICATION:

AVCO-CLEAN ARC is recommended for use in discontinuous process, or in continuous ranges when the treatment time is long enough.

Recommended dosages of AVCO-CLEAN ARC:

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| Medium shades | – 1.0-1.5 cc/l |
| Dark shades | – 1.5-2.0 cc/l |
| Blacks | – 2.0-3.0 cc/l |