

AVCO-L100

"WASHING OFF" AGENT

AVCO-L100 is a non-surface active dispersing agent used for the washing-off of cellulosic fabrics and yarns dyed and printed with reactive and VAT dyestuffs. The product offers high level of wash fastness properties to the treated goods which cannot be achieved with detergents.

SPECIFICATION:

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| Appearance | Clear yellowish liquid |
| Chemical nature | Sodium salts of organic and inorganic polymers in aqueous solution. |
| Compatibility | Compatible with hard water, alkalis and mild acids. Is not compatible with cationic products. |
| Density (gr/cc) | App. 1.10 |
| Ionicity | Anionic. |
| pH (10%) | 6.5 – 7.5 |
| Solubility | Soluble in water at any proportion. |
| Storage stability | Stable for at least 12 months. |

PROPERTIES & USES:

AVCO-L100 has well balanced properties of a good dispersing agent, sequestering agent and a protective colloid which offers the following advantages:

1. AVCO-L100 prevents re-deposition of the hydrolysed reactive dyes onto the cellulose fibres surface in the end of the dyeing process.
2. AVCO-L100 is sequestering and dispersing calcium and magnesium present in the water which may interfere in the washing-off process.
3. AVCO-L100 is non-foaming at all, and can be used in all types of high speed jets.
4. AVCO-L100 is a liquid product, and can be metered very easily to the washing machine.
5. AVCO-L100 has no influence on dyestuffs containing metal complexes in the molecule structure, and produces no change in shade and no decrease in normal light fastness of reactive dyestuffs.
6. Improves the rubbing fastness and wash fastness of dyed and printed goods.

APPLICATION:

General dosage recommended is 1-2 g/l.

For critical dyes such as Reactive Turquoise it is recommended to apply a fixing agent such as 1-2% AVCO-FIX FFCT (fixing agent free of formaldehyde) after the soaping-off process.

TYPICAL METHODS

- **Soaping off reactives in jets:**
(Vinyl-sulphone type dyes)
 1. Rinse cold.
 2. Acidify at 40°C
 3. Rinse at 70°C.
 4. Boil with 1-2 g/l of AVCO-L100.
 5. Rinse at 80°C.
 6. Rinse at 60°C.

For dark shades the boil stage should be repeated.

- **Soaping off reactives in jets:**
(MCT dyes)
 1. Cold rinse.
 2. Rinse at 70°C.
 3. Rinse at 70°C.
 4. Boil with 1-2 g/l AVCO-L100
 5. Rinse at 80°C
 6. Rinse at 60°C.
- **Soaping off VAT Dyes in jets:**
 1. Rinse at 70°C with 1-2 g/l AVCO-L100 for 10 minutes.
 2. Drop
 3. Soap with 1-2 g/l AVCO-L100 at the boil for 10 minutes.
 4. Cool to 70°C - drop
 5. Rinse cold 10 minutes. Drop.

- **Continuous soaping off VAT Dyes:**

After oxidation, soap with 2 – 3 g/l AVCO-L100 at 95°C