

Technical Data Sheet

ALBATEX® AD

DYEING AUXILIARIES / PROTECTIVE COLLOID

USES

Improves the quality and reproducibility of virtually every textile wet process. Washing off agent for reactive dyeing and prints on cellulosic fibers and their blends.

Characteristics	Benefits
Highly efficient dispersant for insoluble and sparingly soluble calcium salts, pectins and other impurities such as cotton linters.	Prevents the build-up of these materials on machine surfaces or the fiber being processed. Precipitation of hardness salts is prevented and liquor stability is vastly improved by the excellent protective colloid function of the product.
No de-metalizing effect on dyestuff and improves penetration and distribution of the dye liquor.	Improved leveling and reproducibility.
Eliminates problems due to the re-deposition of calcium silicate and other crystalline impurities on to the yarn or fabric.	Handle is improved and subsequent winding or sewing properties are greatly enhanced.
Inhibits the formation of insoluble derivatives of vat dyestuff.	Improved dyeability, higher color yield and enhanced fastness to rubbing.
Good dispersing properties with reactive and direct dyes.	Improved leveling, when dyeing cellulosic fibers.
Promotes solubility of hydrolyzed reactive dyes.	Savings in time, energy, water consumption and effluent charges, when washing off reactive dyes.

• Improves dispersion in reduction clearing baths.	• Prevents re-deposition of degraded dyestuff.
• Dispersing agent and protective colloid in silk de-gumming.	• Improved gum removal with a better white and enhanced luster.
• Bio eliminable and phosphate free.	• Not toxic or harmful to aquatic organisms.
• Low viscosity liquid.	• Easy to handle and soluble in water in all proportions.

Properties

Chemical constitution	Sodium salt of a polyacrylic acid
Ionic character	Anionic
Physical form	Pale-brown liquid
pH	About 7.5
Specific gravity at 20°C	About 1.3
General stability	Stable to hard water, and pH values between 4 and 12.
Storage stability	Stable for more than one year at 20°C in closed containers. Should not be stored at temperatures above 40°C. Freezes at –5°C, but recovers completely on warming.
Compatibility	Compatible with anionic and non ionic auxiliaries.
Ecology/toxicology	The usual hygiene and safety rules for handling chemicals should be observed in storage, handling and use. The product must not be swallowed.
	For further information on ecology and toxicology, see relevant Safety Data Sheet.

APPLICATION

Required amount

Owing to the wide variety of applications of ALBATEX AD protective colloid, it is impossible to give specific recommendations, however, the amount of ALBATEX AD protective colloid required will usually fall within the range given below: 0.3–2 g/l ALBATEX[®] AD.

The following are offered as a guide to the use of ALBATEX AD protective colloid for individual application.

Preparation and bleaching:

ALBATEX AD protective colloid is ideal for the use in the preparation and bleaching of cotton or polyester/cotton yarns or fabric. It is suitable for the use on all conventional equipment, and will prevent the build up of insoluble calcium and magnesium salts on the machinery, as well as aiding the preparation of clean lint free fabric. The following concentration is recommended:

1–2 g/l ALBATEX[®] AD.

Dyeing:

ALBATEX AD protective colloid will effectively sequester the alkaline earth metal salts present in hard water without removing the metal ions present in some dyes. The concentration required will depend upon the hardness of the water and will typically fall within the range:

0.5–2 g/l ALBATEX[®] AD

In the above applications ALBATEX AD protective colloid should be added to the treatment liquor first and thoroughly dispersed before any other auxiliaries are added.

Washing off reactive dyes:

ALBATEX AD protective colloid is suitable for washing off reactive dyed or printed goods. It promotes solubility of the hydrolyzed color and prevents re-deposition onto the fabric or yarn. ALBATEX AD protective colloid should be added into the first hot washing. Treatment and the quantity required will typically be: 1–2 g/l ALBATEX[®] AD.



This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Archroma makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Archroma's products for its particular application. * Nothing included in this information waives any of Archroma's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Archroma products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Archroma. *For sales to customers located within the United States and Canada the following applies in addition: NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE.

* Trademark of Archroma registered in many countries

© 2021 Archroma

3200172e
April 2023