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Dyes have been used since the prehistoric times as colorants that have found their uses in various applications for coloring different materials. Fabricated dyes are also termed as synthetic dyes that have been developed ever since their discovery. Synthetic dyes are of different types and may be classified in to basic, acid dyes, direct dyes, mordant dyes, vat dyes, reactive dyes, disperse dyes and sulphur dyes. One of the commonest dyes used in the dyeing of acrylic fibers and paper is a basic dye. Basic dyes have a variety of uses as they are known for their vibrancy and strong coloring abilities.

The section below gives some useful insight about basic dyes -

These dyes are generally cationic or basic in nature and they generally react with substances (substrates) that are anionic or negatively charged in nature. They exhibit an affinity for acidic substances and that results in the formation of salts. This helps in producing bright shades on the various commercial textiles and fabrics.

Materials such as cotton are considered as inappropriate substrates for a basic dye as these do not have the required planar structures to absorb the dyes. Most of these dyes are chlorides by chemical combination and have a positively charged coloring agent or chromophore.

Most of these dyes have vibrant colors with a varied range of brightness. They may also exhibit fluorescent properties and may occur in different colors.

In the presence of glacial acetic acids, these dyes exhibit high amounts of solubility in water. However, with their low strike rate, they generally exhibit poor leveling properties.

A basic dye generally exhibits a high amount of affinity towards wool, silk and acrylic material. Materials that contain cellulose may show no affinity towards basic dye. In cases where cellulose is to be dyed, a mordating agent is used for the process.

Basic dyes are also economical in comparison to other dyes.

These dyes are known to produce some of the best synthetic dyes used for commercial purposes. These may also be used for finishing on wood by dissolving the basic dye in water and alcohol to produce beautiful multiple tones on the wood.

The slight limitations of these dyes however may include preferential dyeing and high acid content of the dye that may result in poor shade stability.

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http://www.articleside.com/business-articles/what-all-you-wanted-to-know-about-basic-dyes-is-right-here.htm - Article Side

Royceintl - About Author:
a Basic dyes are strong and reliable colorants having many commercial applications. Visit www.royceintl.com for further details on the availability, uses and ordering.

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