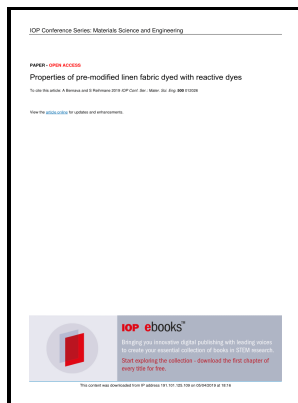


# [Handbook on the application and properties of dyestuffs].

**J.R. Geigy S.A. - Handbook Of Advanced Ceramics Materials Applications Processing And Properties PDF Book**



Description: -

-[Handbook on the application and properties of dyestuffs].

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## **Handbook of Natural Colorants**

Greens produced by over-dyeing indigo with higher light fastness of indigo component. Atoms that are connected by covalent bonds can stretch or bend at natural resonance frequencies which depend on the strength or stiffness of the bonds. Such re-emission processes include fluorescence and phosphorescence.

## **Handbook Of Advanced Ceramics Materials Applications Processing And Properties PDF Book**

The details of chemicals to be used for various mordants with their quantity fixed temperature is to be maintained duration of time and the procedure to be followed after mordanting and before dyeing have to be followed strictly. But the quinonoid theory is not sufficient to account for the coloring characteristics of all the compounds.

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Then the dye solution extracted from the sources were filtered and collected. Each of the sample molecules separated by the gas chromatograph are introduced into the ion source.

## **Properties and Selection: Nonferrous Alloys and Special**

Most of the mordants that are used for natural dyeing are not seriously toxic. He would also have had to have tried growing the plants under different conditions to see what type of soil etc. Copper sulphate is frequently employed in the dyeing of black shade on cotton and for this purpose it is fixed by means of tannin.

## **Dyes**

To get the effect of alum mordant now-a-days aluminum dye pot with a little soda is used.

**Handbook on Natural Dyes for Industrial Applications (Extraction of Dyestuff from Flowers, Leaves, Vegetables) 2nd Revised Edition**

It improves the affinity of fibers towards different dyes. Other chemicals known as assistants may be used in addition to dyes and mordants which help in coloration of the fabric in one way or the other for example- to change pH and hence the color sometimes to brighten the color to help in the absorption of the mordant metal or to slow down the rate of absorption of pigments or for evenness.

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Thus use of natural dyes is an old age history since ancient periods. For industrial use the best method is to provide extracts. Since the auxochromes are capable of forming salts either with a basic or acidic groups their presence also convert a colored compound devoid of salt forming groups into a dye which must fix permanently to the fiber i.

**Handbook of Natural Colorants (Wiley Series in Renewable Resource)**

However in a few places natural dyes continued to be used and in some places synthetic dyes are used in the old process particularly indigo and alizarin. EQUIPMENT USED FOR DYEING AND ANALYSIS OF DYED FABRIC AND THEIR PRINCIPLE SONICATOR Model Make Julabo-SRO5 The sonicator used is of 20 KHz frequency which is found to be suitable for introducing cavitations.

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