

Direct Dyes

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Abstracts

Direct Dye is a class of dyestuffs that are applied directly to the substrate in a neutral or alkaline bath. They produce full shades on cotton and linen without mordanting and can also be applied to rayon, silk, and wool. Direct dyes give bright shades but exhibit poor wash fastness. Direct Dyes are molecules that adhere to the fabric molecules without help from other chemicals. Direct dyes are defined as anionic dyes with substantivity for cellulosic fibers, normally applied from an aqueous dye bath containing an electrolyte, either sodium chloride (NaCl) or sodium sulfate (Na₂SO₄). Direct dyes are used on cotton, paper, leather, wool, silk and nylon. They are also used as pH indicators and as biological stains. The dyeing process with direct dyes is very simple, direct dyeing is normally carried out in a neutral or slight alkaline dye bath, at or near boiling point, but a separate after treatment such as cationic dye fixing, to enhance wet fastness has been necessary for most direct dyeing.

Currently the consumer market size of direct dye is around ***** MT, globally there is around **** existing consumers of direct dye.

Note: Complete list of consumers would be provided in a separate MS-Excel file along with the report.

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