

## **P51. THE EFFECTS OF CHEMICAL RISKS IN TEXTILE INDUSTRY ON WORKERS' HEALTH**

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In the textile industry, the part that has the most of the chemical risks is the colouring operations. Generally, chemicals are being used in operations which are called finishing pretreatment (cleaning, eaching, whitening etc.) dyeing, printing and finishing parts in addition to removals of stains and drying of the products. During the process, chemicals such as halogenated hydrocarbons, olefins, acids may occur. Use of dyes in powder form and inhalation by the workers is very dangerous. Serious problems can occur in cases of contact with skin and eyes that the solvents, acid, base and salts used in the textile industry. The most of surfactants such as antifoaming agents, washing agents, wetting agents use in textile finishing are found in a form of mixture and they are harmful to health when they are used without proper knowledge about them. Improving knowledge about chemicals that have been harming workers' health and their effects, will increase the level of precautions during the usage and occupational safety, and will have positive reflections on environment. The purpose of this study to draw attention to the textile chemicals used during manufacturing process to the effects on worker health and to raise level of perception in their use. In this study a comprehensive literature search was conducted, as a result the health effects of chemicals used in the textile industry and measures to be taken against them were given.