

## Air pollution in textile industry

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**SUMMARY :** The textile industry is plagued by air pollution problems which must be resolved. In particular, smoke and odor arising in the process require abatement. Air pollution is the introduction of chemicals, particulate, or biological material that cause harm or discomfort to humans or other living organisms, or damages the natural environment into the atmosphere. Oil mist and organic emissions produced when textile materials containing lubricating oils, plasticizers, and other materials that can volatilize or be thermally degraded into volatile substances, are subjected to heat. Processes that can be sources of oil mist include tentering, calendaring, heat setting, drying, and curing. Acid mist produced during the carbonization of wool and during some types of spray dyeing. Solvent vapours are released during and after solvent processing operations such as dry cleaning and volatile organic compounds from mineral spirit solvents in print pastes or inks. Exhaust gases emanate from polycondensation of melt spinning fibre lines. Dust and lint are produced by the processing of natural fibres and synthetic staple prior to and during spinning, as well as by napping and carpet shearing.

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