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The Complete Technology Book on Chemical Industries

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About the Book

In modern age chemical industries have permeated most extensively in comparison with other industries and are progressing at a very rapid pace. Chemical Industry in India is one of the fastest growing industries under the Indian economy. The chemical industry comprises the companies that produce industrial chemicals. Central to the modern world economy, it converts raw materials into more than 70,000 different products. Chemicals have contributed in various sectors like food industry, fertilizers, perfumery, fragrance and flavour etc. Chemicals are used to make a wide variety of consumer goods, as well as thousands inputs to agriculture, manufacturing, construction, and service industries. There are numerous chemicals produced in chemical industry for example chloroform, caffeine, fertilizers , dyes, drug intermediates, herbicide, inorganic salts, copper sulphate, acetaldehyde etc. The chemical industry itself consumes 26 percent of its own output. The Chemical Industry in India is based on the idea of diversification. For example inorganic chemicals is the sector where the growth rate is near about 9% and the chemicals produced in this sector are mainly used in alkalis, fertilizers, etc. Depending on the product categories the chemical industry is divided in many other sectors like drugs and pharmaceuticals, fertilizers, fine chemicals like dyes and paints etc. The chemical industry in India which generates almost 13% of total national export is growing annually at a growth rate anywhere between 10% and 12%.

This book majorly deals with the molecular formula, raw materials, properties, laboratory testing, manufacturing process explained with flow diagrams and uses of the chemicals. The major contents of the book are inorganic salts, inorganic chemicals, industrial gas, fertilizers, alum, caffeine, ceramic chemicals etc. This book covers the production of more than 100 chemicals for example acetanilide, methylamine, butylamine, linalol, phosphorous, salicylic acid etc.
This book should be of great value to young chemical engineers and chemists who are just entering the field but those already practicing will find much of interest and use for broadening of their insight in to fields in which they are only marginally informed. It is hoped that this book will aid to young engineers, chemical, civil, mechanical and electrical as well as chemists, in understanding the value of chemical, the type of problems met in their production and method for solving these problems.

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