AN ISO 9001 : 2015 CERTIFIED COMPANY

# Modern Technology of Industrial Chemicals

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## About the Book

Growth in demand for chemicals in developing countries is high leading to substantial cross border investment in the chemical sector. In modern age chemical industries have permeated most extensively in comparison with other industries and are progressing at a very rapid pace. The chemical industry comprises the companies that produce industrial chemicals. The applications of industrial chemical are in various fields like in dyes, chemical explosives and rocket propellants, fertilizers etc. Central to the modern world economy, it converts raw materials into more than 70,000 different products. Chemicals are used to make a wide variety of consumer goods, as well as thousands inputs to agriculture, manufacturing, construction, and service industries. Chemical industries produce chemicals from various products like chemical from milk, fats, coal, oranges, wood etc and utilized in many industries like dye, textile, fertilizers etc. Some of the examples of industrial chemicals are acetophenone, alletrhin, calcium cyanamide, carboxymethylcellulose, hydroquinone etc. The chemical industry itself consumes 26 percent of its own output. Chemical industry is one of the oldest industries in India. It not only plays a crucial role in meeting the daily needs of the common man, but also contributes significantly towards industrial and economic growth of the nation. The chemical industry forms the backbone of the industrial and agricultural development and provides building blocks for downstream industries; it is an important constituent of the Indian economy. Global chemical production is growing and the growth is contributed by the chemical industry of developing countries. 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 basically deals with properties, formulae, manufacturing of chemicals, purification of the product and efficiency of the product. The major contents of the book are dye application, granulated fertilizers; purification includes dehydrogenation and further distillation, carotene and chlorophyll: commercial chromatographic production, chemical explosives & rocket propellants, chemicals from acetaldehyde, chemicals from fats, chemicals from milk, chemicals from oranges so on. This book also deals with manufacturing processes with reaction, technical details, equipments involved in processing etc.
This book elucidates chemicals which have good market potential. The book is a valuable resource for new entrepreneurs, industrialists, research scholars, technical libraries, consultants etc.

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