

# **Chemical Technology (Organic, Inorganic, Industrial), Fine Chemicals**

**[Detailed Project Profiles On 9 Selected Chemical Industries \(2nd Edition\)](#)**

**Author:** Ajay Kr. Gupta

**Format:** Hardcover

**Book Code:** NI1

**Pages:** 147

**ISBN:** 9789381039472

**Price:** Rs. 1,995.00 **US\$** 52.95

\*\*\*\*\*Limited Edition- available in Photostat Version Only\*\*\*\*\*

Chemical industry is one of India's oldest industries, contributing significantly towards the industrial and economic growth of the nation. The Indian Chemical Industry forms the backbone of the industrial and agricultural development of India and provides building blocks for several downstream industries. Exports of chemicals from India have increased significantly and account for about 14% of total exports and 9% of total imports of the country. The Indian chemical industry comprises both small and large-scale units. Fiscal concessions granted to the small sector in the mid-eighties led to the establishment of a large number of units in the Small Scale Industries (SSI) sector. Against an overall installed capacity of around 10 mn tonnes, India produces nearly 8 mn tonne, of an assortment of chemicals. These exclude petrochemicals, but include chlor-alkalis, and dyes and dyestuffs. The chemicals industry is a highly versatile segment in the overall industrial economy of India. It has linkages with almost every other industrial activity, be it food processing, metallurgy, textiles, rubber or leather. There is, in fact, hardly any segment where chemicals do not feature. The major sub segments of this industry include alkali, organic chemicals, inorganic chemicals, pesticides, dyes & dyestuffs and specialty chemicals. The Indian chemical industry deals in products like fertilizers, bromine compounds, catalyst, sodium and sodium compounds, dye intermediates, inks and resins, phosphorous, paint chemicals, coatings, isobutyl, zinc sulphate, zinc chloride, water treatment chemicals, organic surfactants, pigment dispersions, industrial aerosols and many more. The size of the Indian chemicals industry was estimated to be around USD 83 billion. It contributes around 5% to India's total GDP. The chemical industry also accounts for 13% share in total exports and 8% share in total imports of India. The sector contributes around 20% to national revenue by way of taxes and levies. In terms of sub-sectors, the Indian chemicals industry is composed of base chemicals that account for 53% share, pharmaceuticals contributing 24%, specialty chemicals 18%, biotech 3% and agro chemicals 2% share. The Indian chemicals industry has huge growth potential for the future. The industry has remained among the fastest growing sectors of the economy. The chemical industry remains concentrated in the western region, which claims a near 50% share of

investment flows. In the western region, Gujarat makes the largest contribution to the chemical industry's production activity. The content of the book includes information about chemical industry. The major contents of this book are project profiles of projects like copper sulphate from metallic scrap copper, hydrogen peroxide (anthraquinone autoxidation process), sodium chlorite ( $\text{NaClO}_2$ ), zinc oxide (from zinc dross), poly aluminium chloride (PAC), calcium propionate, ethylene oxide, antimony potassium tartrate, humic acid from lignite coal. Project profile contains information like introduction, properties, uses and applications, process, process flow diagram, plant economics, land and building, plant and machinery, fixed capital, working capital requirement/month, total working capital/month, cost of project, total capital investment, turn over/annum, profit sales ratio, rate of return, breakeven point (B.E.P) This book is very useful for new entrepreneurs, technical institutions, existing units and technocrats.

# Detailed Project Profiles On Chemical Industries (Vol II) (2nd Revised Edition)

**Author:** NPCS Board

**Format:** Hardcover

**Book Code:** NI3

**Pages:** 158

**ISBN:** 9789381039144

**Price:** Rs. 1,695.00 **US\$** 44.95

\*\*\*\*\*Limited Edition- available in Photostat Version

Only\*\*\*\*\* Chemical industry, complex of processes, operations, and organizations engaged in the manufacture of chemicals and their derivatives. The chemical industry may be described simply as the industry that uses chemistry and manufactures chemicals. A chemical substance is a form of matter that has constant chemical composition and characteristic properties. It cannot be separated into components by physical separation methods, i.e. without breaking chemical bonds. It can be solid, liquid, gas, or plasma. The scope of the chemical industry is in part shaped by custom rather than by logic. An average chemical product is passed from factory to factory several times before it emerges from the chemical industry into the market. The chemical sector has witnessed growth of 13-14% in the last 5 years. A number of initiatives have been proposed in the 12th 5-year plan (2012-2017) to boost the growth of Indian Chemical industry like Target to increase the share of manufacturing in GDP to at least 25% by 2025 (from current 16%). Investments in manufacturing in the chemical sector are absolutely essential to ensure growth of the Indian chemical industry, FDI inflow picked up in FY11 reaching USD 2,345 Mn and USD 4,041 Mn in FY12. Indian Chemical industry also managed to lead industrial IIP in FY13. As per CSO sources, Chemicals IIP for FY13 stood at 3.1% while the overall IIP was 0.8%. The Indian chemicals industry, which earned revenues in the range of \$ 155-160 billion in 2013, is likely to grow at a rate of 11-12 percent in the next two to three years. The market is likely to grow at a Compound Annual Growth Rate (CAGR) of 13-14 percent. "Product customization and understanding of unique customer needs has been one of the key success levers for the Indian chemical industry. The chemical industry can be broadly classified into two segments – organic and inorganic chemicals. Organic chemicals cover over half of all known chemical compounds, and include petrochemicals, drugs, cosmetics, agrochemicals, etc. Inorganic chemicals comprise alkalis, dyes and dyestuffs. The content of the book includes information about chemical industry. The major contents of this book are project profiles of projects like acetylene gas, acrylic acid and its derivatives, ciprofloxacin HCl, dicalcium phosphate, glycerol monostearate, L-ascorbic acid (plain), manganese oxide, potassium iodate, precipitated calcium

carbonate, single superphosphate, sodium silicate and zinc sulfate (33%, 21% & 12%) . Project profile contains information like introduction, properties, uses and applications, raw material used, manufacturing process, flow diagram, plant economics, land and building, plant and machinery, fixed capital, working capital requirement/month, total working capital/month, cost of project, total capital investment, turn over/annum, profit sales ratio, rate of return, breakeven point (B.E.P) This book is very useful for new entrepreneurs, technical institutions, existing units and technocrats.

# Handbook On Chemical Industries (Alcohol Based)

**Author:** H. Panda

**Format:** Paperback

**Book Code:** NI7

**Pages:** 374

**ISBN:** 8178330679

**Price:** Rs. 750.00 US\$ 19.95

The chemical industry comprises the companies that produce industrial chemicals. Central to the modern world economy, it converts raw materials (oil, natural gas, air, water, metals, and minerals) into several different products. The Indian chemical industry is among the established traditional sectors of the country, playing an integral role in the national economic development. This sector, forming part of the basic goods industry, is a critical input for industrial and agricultural development. The fundamental nature and diversity of the industry is best understood from the fact that the industry itself is the largest consumer of its products, accounting for around 33% of total consumption. Alcohol is a very valuable material which has variety of uses such as for production of chemicals, as a source of energy and fuel etc. an alcohol is an organic compound in which the hydroxyl functional group (OH) is bound to a carbon atom. In particular, this carbon centre should be saturated, having single bonds to three other atoms. Some of the common examples of alcohol and its derivatives are acetaldehyde, acetic acid, chloroacetic acid, acetic anhydride, dimethyl acetamide, butyl alcohols, ethyl acetate, butyl acetate, cellulose acetate, ethyl ether and many more. Ethanol can be used in the pharmaceutical, cosmetics, solvents, food, and chemical industries with a majority of industrial ethanol used as a solvent in the manufacture of pharmaceuticals, paints, and lacquers. It is also used as a carrier in medicines. Some food extracts and flavourings can contain ethanol. It is also used in the personal care industry in products such as hairspray, mouthwash and cologne and in hand sanitizers and medical wipes. Some of the fundamentals of the book are manufacture of ethanol, absolute/anhydrous alcohol, barium acetate, calcium acetate, chromium acetate, cobalt acetate, copper acetate, lead acetate, vinyl chloride, vinyl acetate monomer, poly vinyl acetate, film-forming latexes, non film forming latexes, styrene based resins, styrene polyester resins, styrenated oils and alkyds, ion exchange resins, ethylene glycol monoethyl ether (cello solve) etc. The book covers manufacturing details of various alcohol based chemicals. We hope that it will be very resourceful for new entrepreneurs, researchers, general information seekers and libraries as a reference book.



# Modern Technology of Industrial Chemicals

**Author:** NIIR Board

**Format:** Paperback

**Book Code:** NI80

**Pages:** 550

**ISBN:** 8178330695

**Price:** Rs. 1,100.00 **US\$** 29.73

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, allethin, 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.

## [Industrial Chemicals Technology Hand Book](#)

**Author:** NIIR Board

**Format:** Paperback

**Book Code:** NI85

**Pages:** 556

**ISBN:** 817833075X

**Price:** Rs. 1,100.00 US\$ 29.73

Growth in demand for chemicals in developing countries is high leading to substantial cross border investment in the chemical sector. The chemical industry comprises the companies that produce industrial chemicals. Chemicals are used to make a wide variety of consumer goods, as well as thousands inputs to manufacturing, construction, and service industries. The applications of industrial chemical are in various fields like in organic chemicals, paint, varnishes, resins, petroleum, pigments, printing inks, acrylics polyesters engineering thermoplastics. The chemical industry itself consumes 26 percent of its own output. In modern age chemical industries have permeated most extensively in comparison with other industries and are progressing at a very rapid pace. 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. 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%. Global chemical production is growing and the growth is contributed by the chemical industry of developing countries. The book contains manufacturing processes, reactions, equipments details, process flow diagram of number of chemicals, which have huge industrial uses. The major contents of the book are iodine from oil well brines, lactic acid from corn sugar, modern production of chlorine and caustic soda, organic chemicals, chemicals derived from methane and so on. This book is very useful for new entrepreneurs, industrialists, consultants, research scholars, technical institutions, chemists and libraries. This book is recommended to all related to field of chemical process technology.

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## [The Complete Technology Book on Chemical Industries](#)

**Author:** NIIR Board

**Format:** Paperback

**Book Code:** NI89

**Pages:** 443

**ISBN:** 8178330687

**Price:** Rs. 975.00 US\$ 25.95

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.

# The Complete Technology Book on Fine Chemicals

**Author:** NIIR Board of Consultants & Engineers

**Format:** Paperback

**Book Code:** NI126

**Pages:** 586

**ISBN:** 8178330563

**Price:** Rs. 1,100.00 **US\$** 29.73

Fine chemicals are the chemicals which are produced in comparatively small quantities and in relatively pure state. In chemical technology, a distinction is made between bulk chemicals, which are produced in massive quantities by standardized reactions, and fine chemicals, which are custom produced in smaller quantities for special uses. There is a very large number of fine chemicals that are produced, and thus the chemistries of producing them need to be flexible, whereas the atom economy is not as critical as for bulk chemicals. Some of the examples of fine chemicals are acetazolamide, albendazole, amitriptyline, azithromycin, benzothiazide, captopril, carbamazepine, chloroquine, etc. Owing to the small volume and often changing chemistry, fine chemicals production is more expensive, generates more waste and requires a higher research investment per kilogram. However, fine chemicals are produced in industrial quantities unlike research chemicals, which are produced only in the laboratory. Fine chemicals correspond to a distinct segment of the chemical industry, including low tonnage molecules (typically 10 to 20 Kt.). Pharmaceutical and Biological products, perfumes, photographic chemicals and electronic grade reagents are examples of fine chemicals. High purity reagents (99.999999% pure) are also classified as fine chemicals. Globally, the fine chemicals industry continues to be very fragmented in spite of some consolidation, partly due to the limited impact of economy of scale on the business. While, fine chemicals do offer limited albeit real opportunities for product differentiation, in contrast to commodity chemicals, they are unlike specialities. While, fine chemicals do offer limited albeit real opportunities for product differentiation, in contrast to commodity chemicals, they are unlike specialities, which offer much larger scope for standing out due to an enhanced contribution of technical services and application know how. This book is a comprehensive reference on one of the most exciting and challenging segments of the modern chemical industry, and a practical guide for developing and succeeding in the multibillion fine chemicals business. Some fundamentals of this book are synonyms, molecular formula and other properties of fine chemicals like albendazole, amitriptyline, azithromycin, benzothiazide, captopril, carbamazepine, chloroquine, etc. This book is an invaluable resource for



technologists, professionals and those who want to venture in this field.

# Handbook on Fine Chemicals, Vitamins, Amino Acids and Proteins

**Author:** NIIR Board of Consultants & Engineers

**Format:** Paperback

**Book Code:** NI159

**Pages:** 608

**ISBN:** 8186623965

**Price:** Rs. 1,450.00 US\$ 29.95

Fine chemicals are the chemicals which are produced in comparatively small quantities and in relatively pure state. In chemical technology, a distinction is made between bulk chemicals, which are produced in massive quantities by standardized reactions, and fine chemicals, which are custom produced in smaller quantities for special uses. Amino acid is any organic acid which has one or more substituent amino groups. In many instances the amino acid is more readily isolated from proteins than by resolution of the synthetic product. For the purpose of obtaining the best yields, it is always desirable to use protein material which is especially rich in the amino acid which is to be isolated. Some of the examples of amino acid are glycine, d glutamic acid, l tyrosine, l tryptophane, l hydroxyproline, thyroxine, serine, d lysine etc. Large quantities of potential protein rich foods of vegetable origin, e.g., oil seed meals and pulses, are available in the country and by suitable processing and fortification with vitamins and minerals, it should be possible to prepare, on a large scale, low cost processed protein foods which can be used as supplements to the diets of low income groups of the population. There are two forms of vitamin A; vitamins A and A2. All mammals, birds and fish which have been investigated, utilize vitamin A. Vitamin A requirements of animals other than mammals are less well known. Birds apparently need vitamin A in an amount of magnitude as mammals. It vitamin B1 is present in many plants. Vegetable, fruits and nuts contain small amounts; ripe peas and beans are rich sources; but vitamin B1 is found outside bran coats of grains (rice) and in yeast. Vitamin B2 (Riboflavin) is very widely distributed over the entire animal and plant kingdom. It seems that each and every animal and plant cell contains small amounts. Regular dietary intake of riboflavin is necessary for all members of the animal kingdom and for some microorganisms. Vitamin B6 as a free base is colourless crystalline powder, has a slightly bitter taste and melts at 160 degree Celsius. Of the entire living world only man, the other primates, the guinea pig a few microorganisms are known to require an external supply of vitamin C. Some of the fundamentals of the book are the constitution and synthesis of the amino acids, methods of analysis and reactions of the amino acids and proteins , production of protein isolate from groundnut, production of protein isolate

from groundnut, chemical constitution of vitamin b2: degradation reactions, vitamin b6 (pyridoxine) , effect of different treatments on vitamin c and microbial sterility of canned drumstick (moringa oleifera), conversion of provitamins d to vitamins d, compound and species specificity of known vitamins d, the group of vitamins e, vitamin p , physiology of plants and microorganisms etc. The aim of this book is to present in a single volume an up to date account of the manufacture of Fine Chemicals, Vitamins, Amino Acids and Proteins. The book includes several new information which comprise important threads in the industrial total fabric. This book contains the constitution and synthesis of the Amino Acids, the Isolation of the Amino Acids from Proteins, the preparation of Amino Acids and Proteins, Vitamins and Fine Chemicals with Method of analysis and reactions etc. The book is very helpful for new entrepreneurs, technocrats, researchers, institutional libraries etc.

## [Directory/Database/ List of Chemical Industries/ Companies in India \[.xlsx, excel format\] 8th Edition](#)

**Format:** CD-Rom

**Book Code:** NID113

**Price:** Rs. 6,343.00 **US\$** 200.00

Offline Business directory is the best thing in today's business world. If you are searching for Buyers, then this Directory/Database is the perfect tool for you. By having the right business leads, you would be able to have immediate communication with prospective businesses, partners and customers through this boundless list of Chemical Industries/ Companies in India in csv excel format. We offer an extensive suite of Directories/ database to assist you in reaching the right businesses and people quickly and easily. Business Directories are used for sales planning, finding Buyers and marketing research to perform business analysis. With our company database/Directory, you will have access to company list. You will find a business list consisting of company contact details. We compiled list of companies in excel format to give you access to over hundred thousands of major & minor businesses and companies. From small business to Corporate Houses, our data is complete with business contact information to help you connect with the right companies or buyers. This database collection is a great resource for those suppliers who offer their goods and services to Chemical Industries/ Companies like, Industries, Chemical Suppliers, Chemical Distributor, R & D Laboratories, Packaging Material Suppliers, Plant & Machinery Suppliers, Office Equipment Suppliers, Office Furniture Suppliers, Mobile Companies, Raw Material Suppliers, Advertisement Agencies, Office Stationery Suppliers, Transporters, Courier Companies, IT, Software Companies & Labour Contractors etc. [Chemicals, (Fine, Industrial, Laboratory, Organic, Inorganic, Solvents, Cleaning Agents, Additives, Pharmaceuticals) Dyes & Dyes Intermediates, Pigments, Natural Colour, Dyestuff, Explosives, Flavours & Food Additives, Plant & Machinery, Parts, Processing Plants, Suppliers Etc. ] Information in this database contains over 92,700 records of Chemical Industries in India. Details Includes: Company Name (92,700), Postal Address (92,000), City, Postal Code, Contact Person (74,000), Phone (89,500), E-mail (84,600), Website (22,300), Fax (55,400) and Description. Note: All Records does not contain all fields of information. However, maximum information has been incorporated. Format: MS Excel, .xlsx

# The Complete Book on Rubber Chemicals

**Author:** NPCS Board of Consultants & Engineers

**Format:** Paperback

**Book Code:** NI220

**Pages:** 672

**ISBN:** 9788178331218

**Price:** Rs. 1,575.00 US\$ 42.56

Rubber Chemicals are essential additives for the manufacture and quality improvement of rubber products such as automobile tires, rubber hoses, and quake absorbing rubbers. For rubber processing and compounding certain chemicals are required which are known as rubber chemicals. The primary requirement of adding different compounding ingredients to develop the different grades of rubber compounds to meet various service needs at an economic price and to provide certain desired physical properties to a considerable extent. Some of the examples of rubber chemicals are waxes, amines, thiazoles, silicone resins, alcohol, sulphuric acids, dithiocarbamates, phosphoric acid etc. They are mostly applicable for white and coloured rubber. They are generally used in rubber tubing, conveyor belt cover balloons, hot water bottles injection bottle caps, footwear related items etc. Indian rubber chemical industry has high growth potential triggered by increased consumption and steady growth in tyre and rubber industries. The speciality chemicals industry in India is projected to grow at 15-17 % per year to reach \$ 80-100 billion by 2020. The demand for rubber chemicals is on the rise. All major manufacturers have raised the prices of their products substantially. Massive investment is expected to flow into the rubber chemicals manufacturing sector in India in the coming years from both domestic and global players. The book covers different types, physical and chemical properties, applications of different rubber chemicals like waxes, synthetic organic chemicals, amines, silicones resins, releasing agents, stabilizers, solvents and many more. Some of the fundamentals of the book are synthetic hydrocarbon waxes, uses of amines in polymers, synthetic organic chemicals, analysis of specific anti-degradants, stabilization of halogenated polymers, anaerobic fermentations, the manufacture of sulfuric acid, analysis of dithiocarbamate esters, sodium hyposulfite (hydrosulfite), citric acid, gluconic acid, acetic acid, itaconic acid, kojic acid etc. Rubber chemicals have a huge potential growth in future and considering the importance of the chemical we have brought out this book which will be an invaluable resource to rubber chemical manufacturers, technocrats, researchers, consultants and new entrepreneurs.

**Directory / Database of Corporate/Leading Companies/ Industries in Indian Chemicals & Allied Products (with Financial Figures) 8th Edition [.xlsx, excel format]**

**Format:** CD-Rom

**Book Code:** NID171

**Price:** Rs. 6,785.00 **US\$** 225.00

"Contains: 4,173 records with following Information: Name of Company, Address, City, Pin Code, Phone, Fax, Email (3,264), Website (1,926). Name of Directors, Location of Plants, Project Capacity, Production, Name of Products, Turnover, Product industry Code, credit ratings. Comparison amongst companies ( Cash Flow, Cost as % of sales, Forextransactions, Growth in Assets & Liabilities, Growth in Income & Expenditure, Income & expenditure, Liabilities, Liquidity Ratios, Profitability Ratio, Profits, Return Ratios, Structure of Assets & Liabilities (%), Assets, Working Capital & Turnover Ratios) (\*Wherever available) Note: All Records does not contain all fields of information. However, maximum information has been incorporated. Format: MS Excel, .xlsx "

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**Directory/ Database /List of Chemical Buyers in India ( With Financial Data)**



**Format:** CD-Rom

**Book Code:** NID207

**Price:** Rs. 4,130.00 **US\$** 150.00

Directory/ Database /List of Chemical Buyers in India ( With Financial Data) Recommended for Chemical Industries, Importer/Exporters/Traders of Organic/Inorganic Chemicals Offline Business directory is the best thing in today's business world. If you are searching for Buyers, then this Directory/Database is the perfect tool for you. By having the right business leads, you would be able to have immediate communication with prospective businesses, partners and customers through this boundless list of All India Companies in csv excel editable format (easy sorting and filtering). We offer an extensive suite of Directories/ database to assist you in reaching the right and targeted businesses and people quickly and easily. Business, B2B&Irm;, Industrial Directories, Mailing List are used for sales planning, finding Buyers, Sector, Business House and marketing research to perform business analysis. With our company database/Directory, you will have access to company list, Corporate/Leading Companies, Small & Medium Enterprises (SME), you will find a business list consisting of company contact details. We compiled list of companies in excel format to give you access to over hundred thousands of major & minor businesses and companies. From small business to Corporate Houses, our data is complete with business contact information to help you connect with the right companies or buyers. This database collection is a great resource for Buyers and those suppliers who offer their goods and services to Trade, Manufacturing industry, Companies, Corporate Houses & Industries in India. Contains over 2881 Indian buyers - details of buyers Include: Name of Buyer (Company), Address, City, Pin Code, Phone, Fax, Email\*, Website\*, Name of Directors, Location of Plants, Production Capacity, Name of Products, Turnover, Product industry code, List of Major Raw Materials with their consumption quantity & Raw material value, Note: All Records does not contain all fields of information. However, maximum information has been incorporated. Format: MS Excel

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**[Handbook on Manufacture of Acetophenone, Alcohols, Alletrhin, Anthracene, Barium Potassium Chromate Pigment, Calcium Cyanamide, Carboxymethylcellulose, Carotene, Chlorophyll, Chemicals from Acetaldehyde, Fats, Milk, Oranges, Wood,.....](#)**

**Author:** NIIR Board of Consultants & Engineers

**Format:** Paperback

**Book Code:** NI309

**Pages:** 550

**ISBN:** 9788178331782

**Price: Rs. 1,100.00 US\$ 29.73**

Handbook on Manufacture of Acetophenone, Alcohols, Allethrin, Anthracene, Barium Potassium Chromate Pigment, Calcium Cyanamide, Carboxymethylcellulose, Carotene, Chlorophyll, Chemicals from Acetaldehyde, Fats, Milk, Oranges, Wood, Manufacture of Dye Intermediates and Dyes, Fine Chemicals, Formaldehyde, Granulated Fertilizers, Granulated Triple Superphosphate and Hydroquinone (Also Known As Modern Technology of Industrial Chemicals) Industrial chemicals are essential components of modern societies because they contribute in numerous ways to establish and/or preserve an elevated standard of living in countries at all stages of development. Chemicals play an important part in different fields such as healthcare, food production and telecommunications. Under certain conditions, the large scale production and use of certain chemicals may result in the degradation of our environment and adverse impact to human health and wildlife. Acetophenone is the simplest aromatic ketone organic compound and it has a sweet taste and smell that resembles that of oranges. It is used for various purposes in the industry. Acetophenone is a colorless liquid with a sweet pungent taste. Alcohols are one of the most important molecules in organic chemistry. They can be prepared from many different types of compounds, and they can be converted into many different types of compounds. The allethrins are a pair of related synthetic compounds used in insecticides. They are synthetic pyrethroids, a synthetic form of a chemical found naturally in the chrysanthemum flower. Acetaldehyde is a key raw material in the production of a wide range of chemical products such as paint binders in alkyd paints and as a plasticizer for plastics. Acetaldehyde is also used a base in the manufacture of acetic acid, another platform chemical with many applications. Acetaldehyde is also used as an aromatic agent and is found naturally in fruits and fruit juices. Formaldehyde, also known as methanal, is a colorless and flammable gas that has a pungent smell and is soluble in water. Formaldehyde is used in Circuit Board Manufacture, Laboratory Chemicals, Paper Coatings, Photochemicals, Printed Circuit Board Manufacturing and Rubber Manufacture. Hydroquinone is a Melanin Synthesis Inhibitor. Hydroquinone is mainly used in photosensitive materials, rubber, dyes, pharmaceutical industry. The Indian chemical industry is an integral component of Indian economy, contributing around 6.7 per cent of the Indian GDP. With Asia's growing contribution to the global chemical industry,

India emerges as one of the focus destinations for chemical companies worldwide. This book will be a mile stone for its readers who are new to this sector, will also find useful for professionals, entrepreneurs, those studying and researching in this important area.

# Manufacture of Pan Masala, Tobacco and Tobacco Products. 2nd Revised Edition

**Author:** P. K. Chattopadhyay

**Format:** Paperback

**Book Code:** NI317

**Pages:** 448

**ISBN:** 9788194737971

**Price:** Rs. 2,225.00 US\$ 59.95

Manufacture of Pan Masala, Tobacco and Tobacco Products (Tobacco Cultivation, Chewing Tobacco, Cigarettes, Bidi, Cigars, Khaini, Zarda, Katha, Mouth Freshener, Pan Chatni, Kimam, Sweet Supari, Nicotine Sulphate, USP Nicotine, Nicotine Tartarate, Nicotine, Polacrilex Resin) Tobacco comes from a leafy plant that tends to grow in warm tropical areas. It is famously grown all over the Caribbean, where the warm, sunny conditions make for a perfect growing climate. Tobacco is usually smoked as a nicotinic stimulant and is mostly processed, rolled and dried before being smoked. Different geographies produce different types of the plant. The taste and flavor of the leaves are the characteristic trademarks of different types. The process of curing also determines the type of tobacco. Tobacco products include cigarettes, cigars, loose pipe tobacco, chewing tobacco and snuff. These products contain the dried, processed leaves of the tobacco plant *nicotiana rustica* or *nicotiana tabacum*. All tobacco contains nicotine, an addictive drug. Today's tobacco also contains thousands of other chemicals designed to make the products more user-friendly and addictive. Nicotine is a nitrogen-based compound which dissolves in organic compounds. Tobacco leaves contain plenty of nicotine which evaporates on burning. This nitrogen-based compound is addictive in low amounts and toxic in high doses. Nicotine Sulfate is a potent pesticide, known for its high toxicity. A large proportion of Indian economy is agro based in which Tobacco is one of the principal cash crops. The tobacco production and its allied products' sales in the country have played a prominent role in the development of nation's economy. India is the largest tobacco market in the world in terms of tobacco consumption. The smokeless tobacco has historically been served as a tradition in India for many decades. Tobacco Waste or dust is generated at various stages of post-harvest processing of tobacco and also while manufacturing various tobacco products mainly during manufacture of tobacco products like cigarette and Beedi. The types of wastes generated during pre and post-harvest practice of tobacco include suckers, stems, mid ribs, leaf waste and dust. The main contents of the book are Tobacco Cultivation, Tobacco Diseases and Pests, Organic Tobacco Production, Chewing Tobacco, Cigarettes, Bidi, Cigars, Readymade Khaini, Chewing Tobacco (Khaini), Zarda, BIS

Specifications, Katha, Mouth Fresheners, Pan Chutney, Pan Masala, Kimam, Tobacco of Various Grade, Sweet Supari, Nicotine Sulphate, USP Nicotine, Nicotine Tartarate, Nicotine Polacrilex Resin, Smokeless Tobacco (SLT), Hookah, Tobacco Products Manufacturing Processes, E-Liquid (Main Chemicals, Compounds, Components), Additives in Tobacco Products, Additives Products, Packaging & Labeling (Design Trends & Technologies), Plastics in Food Packaging, Packaging Laws and Regulations and Photographs of Machinery with Supplier's Contact Details. This book is one-stop guide to one of the fastest growing sector of the Pan Masala, Tobacco and Tobacco Products, where opportunities abound for manufacturers, retailers, and entrepreneurs. This is the only complete handbook on Pan Masala, Tobacco and Tobacco Products. It serves up a feast of how-to information, from concept to purchasing equipment.

# Adhesives Formulary Handbook (Second Edition)

**Author:** P. K. Chattopadhyay

**Format:** Paperback

**Book Code:** NI353

**Pages:** 536

**ISBN:** 9788195744718

**Price:** Rs. 1,895.00 US\$ 48.00

Adhesives Formulary Handbook (Adhesives for Construction, Fabric, Packaging, Paper, Film, Flocking, Foam, Water-Based, Oil-Based, Corrugation, Labelling, Hot Melt Adhesives, Pressure Sensitive Adhesives, Hot Melt Coatings, Grouting Compounds, Epoxy Adhesives, Caulking, Cement, Concrete and Plaster Patching Compounds, Glazing Compounds, Joint Cements, Mastics, Putties, Sealants, Solders with Machinery Equipment Details & Factory Layout)

Adhesives are substances that bind materials together. It is a kind of substance that adheres to other substances. It might be powdered and dry, like baking soda or cornstarch, or it can be sticky like glue. Many people unknowingly use adhesive on a daily basis. Stickers, bubble gum, and tape are a few examples. Adhesive comes in a wide variety of forms, each with a specific purpose and use. Rubber cement, for instance, can be used to attach the paper to surfaces. It possesses a solid binding that can be easily broken with water or an oil-based solvent. Synthetic adhesives are usually cheaper and easier to use than natural ones, but they may not last as long. There has been an increase in popularity of these products thanks to their low price point and ease of use. There is also an abundance of different options available for these products which allows people with different needs or preferences to find what suits them best. The adhesives market is expected to be positively impacted by growing building and construction industry demand. Adhesives are essential construction raw material used in various applications in the industry, from drywall lamination to flooring and roofing. This is because these industries require different types or levels of protection from chemicals and/or heat, which can only be provided by adhesives. Use of adhesives by the automotive industry is expected to grow at a CAGR of 2.6% over the next years. Increasingly pre-fabricated houses are also using adhesives instead of nails, driving the demand for adhesives. The use of adhesives in transportation and packaging will also drive growth with a CAGR of 3.2%. The adhesive market is enormous, and the demand for adhesives will never go down. The production of adhesives is a lucrative industry with several workable company concepts. Therefore, it makes sense to give it a try by starting your own business. Many entrepreneurs are realizing the benefits of owning an adhesive business. One major reason is that this type of



business only requires a small amount of start-up capital. It's also a great way for entrepreneurs to get their feet wet in the entrepreneurial world without having to worry about things like inventory, shipping and customer service. Continue reading this book for more information on the glue industry. You'll learn more about starting your own Adhesives manufacturing business. Making adhesives is a great way to generate money because there is such a high demand for them in today's market. The major contents of the book are Adhesives for Construction, Fabric, Packaging, Paper, Film, Flocking, Foam, Water-Based, Oil-Based, Corrugation, Labelling, Hot Melt Adhesives, Pressure Sensitive Adhesives, Hot Melt Coatings, Grouting Compounds, Epoxy Adhesives, Caulking, Cement, Concrete and Plaster Patching Compounds, Glazing Compounds, Joint Cements, Mastics, Putties, Sealants, Solders, Factory Layout, Machinery Equipment Details & photographs with Suppliers Contact Details. A total guide to manufacturing and entrepreneurial success in today's most demandable Adhesive industry. This book is one-stop guide to one of the fastest growing sectors of the Adhesive industry, where opportunities abound for manufacturers, retailers, and entrepreneurs. This is the only complete handbook on the commercial production of Adhesive product. It serves up a feast of how-to information, from concept to purchasing equipment.

**Soda Ash Market of Middle East/North Africa (MENA) Growth Rate, COVID Impact, Size, Share, Trend, Drivers, Competitive Landscape, Opportunity, Limitations, PESTEL Analysis, Forecast upto 2029**

**Author:** Ajay Kumar Gupta

**Format:** Paperback

**Book Code:** NI359

**Pages:** 135

**ISBN:** 9788195830466

**Price:** Rs. 349,280.00 **US\$** 3,700.00

MENA Soda Ash market growth is fueled by the surge in utilization of soda ash in the construction and automotive industries, rising demand from soda ash in soap detergent industry and increasing adoption of soft water. The Middle East & North Africa soda ash market size was valued at USD 425.91 million in 2022 and is projected to reach USD 629.48 million by 2029, exhibiting a CAGR of 5.77% during the forecast period 2023 – 2029. The key factors driving the expansion of the market include increasing glass and ceramics production and increased sales of automobiles, and growing construction activities in the MENA region have created the demand for glass, which uses soda ash as raw material. Additionally, the rising population and rising disposable income resulted in people spending more on housing and automobiles, and the growing use of detergent and container glass in the MENA region would drive the soda ash market during the forecast period of 2023-2029. The glass industry is the largest end-use industry of soda ash, as it is utilized in the construction industry for manufacturing doors and windows and other related products. Glass is also widely used in the automotive industry to produce various parts. Further, the oil recovery trend and emerging plant capacities are increasing the demand for soda ash. In addition, the rising industries in the MENA region, such as chemical & metallurgy, are expected to boom the MENA soda ash market. MENA soda ash market's growth is driven by its application in various applications, such as sodium carbonate heptahydrate is extensively used by the brick industry as a moistening agent to decrease the amount of water needed to extrude the clay. Due to its properties, such as a high melting point and stable but hygroscopic solid, soda ash is highly utilized in industrial manufacturing. Density Type Overview in the MENA Soda Ash Market Based on density type, the Middle East & North African soda ash market is segmented into light and dense. The dense segment captured the largest market share, 54.53%, in 2022 and is projected to reach USD 339.70 million by 2029. The segment's growth is attributed to the growing adoption of dense soda ash to produce containers, flat glasses, paper and detergents. They have high-density and quality products. These types have become prominent raw materials in various areas, such as the glass industry and detergent and paper production. End-Use

Industry Overview in the MENA Soda Ash Market Based on the end-use industry, Middle East & North African soda ash is segmented into glass & ceramic, soaps and detergents, paper and pulp, metallurgy, chemicals, water treatment and others. The glass & ceramic segment accounted for the largest revenue share, 38.69%, in 2022 and is anticipated to generate USD 237.70 Million by 2029. It is due to the rising demand for glass & ceramic in the construction, automotive and electronics industries. Soda ash is utilized to manufacture flat glass, container glass and other types of glass for end uses such as architecture, automobiles, beverages, and food. By using soda ash, the melting point of silica sand is reduced, due to which the amount of energy used and carbon dioxide emissions during the glass manufacturing process can be reduced substantially.

Country Overview in the MENA Soda Ash Market Based on the country, the MENA Soda Ash market is segmented into Saudi Arabia, UAE, Qatar, Kuwait, Egypt, Sudan, Algeria, Morocco, Israel, Oman and the Rest of MENA Countries. Egypt dominated the Middle East & North Africa soda ash market in 2022, accounting for 19.88% of the overall revenue in the same year. It is owing to the increasing population and rising disposable incomes that have resulted in people spending more on housing and automobiles, along with the growing production of glass in the MENA region, to meet the growing demands of the construction and automobile industries.

MENA Soda Ash Market: Competitive Landscape Solvay SA, SNS International Chemicals LLC, Khair Inorganic Chemical Industries Company – InoChem, Siag Chemicals Group, MUSCAT BARKA Chemical Company MBBT, Oman Chemical, ÅžiÅÿecam, Tata Chemicals, Sahand Industrial Group, Semnan Soda Ash Co. and Others Prominent Players are the key players in the MENA Soda Ash market.

About Us: Niir Project Consultancy Services (NPCS) is a research, advisory, and analytics company. We have a specialized team of consultants catering to various verticals, including Consumer Goods & Retail, Healthcare, ICT, chemicals, BFSI, and many others. In a very short time, we have expanded beyond the basic services to advanced research services such as Financial Modelling, Supply & Demand Analysis, Pricing Analysis, Competitive Analysis, and various other services, which not only facilitates the senior executives across industries but giants who have established names in different industry verticals. Through our indispensable business insights, we can help our clients to achieve the mission-critical tasks which facilitate them to build the organizations of tomorrow.

**Calcium Chloride Market Of Middle East/North Africa (MENA)**  
**Growth Rate, COVID Impact, Size, Share, Trend, Drivers,**  
**Competitive Landscape, Opportunity, Limitations, PESTEL**  
**Analysis, Forecast upto 2029**

**Author:** Ajay Kumar Gupta

**Format:** Paperback

**Book Code:** NI360

**Pages:** 224

**ISBN:** 9788195830459

**Price: Rs. 349,280.00 US\$ 3,700.00**

The MENA calcium chloride market is expected to grow significantly owing to the recovery of the oil and gas industry where calcium chloride is used as completion fluids, drilling muds, and cementing operations. Middle East & North Africa's calcium chloride market size reached USD 99.17 million in 2022 and is likely to reach USD 146.19 million by 2029, exhibiting a CAGR of 5.71% during the forecast period 2023 - 2029. The increasing demand for calcium chloride in dust control and de-icing activities and the surging demand in the oil and gas industry in drilling fluids applications has highly influenced the growth of the calcium chloride market over the forecast period of 2023 – 2029. Additionally, the growing construction activities, increasing dust control regulations in the mining sector, and rising adoption in oil and gas well drilling represent some of the key factors driving the market. Further, the increasing adoption of calcium chloride in treating wastewater and reducing impurities from the water are fueling the growth of the MENA calcium chloride market in the forecast period. There is a rise in the construction of roads, highways, pools, office buildings, malls, playing zones, and houses around MENA countries. In addition to this, the growing utilization of calcium chloride in the construction sector as a dust-controlling agent is positively influencing the market. Growing economy in MENA countries with road infrastructure under the government's focus on modernization since the last decade, which creates opportunities for the use of ice melter. Furthermore, the surge in the adoption of calcium chloride in waste treatment and the growing number of potential applications of calcium chloride in industries such as agriculture, water treatment, construction and animal sterilization will propel the growth opportunities for the calcium chloride market in the mentioned forecast period. Product Type Overview in the MENACalcium Chloride Market Based on product type, the Middle East & North African calcium chloride market is segmented into Flakes 77%, Flakes 94%, Prills 94%, Pellets 94% and others. The Flakes 77% segment captured the largest market share, 29.86%, in 2022 and is expected to reach USD 42.30 million by 2029. This is attributed to growing demand for Flakes 77% for de-icing agents and dust management applications. Form Overview in the MENACalcium Chloride Market Based on form, the Middle East & North African calcium chloride market is segmented

into Liquid, Hydrated Solid, and Anhydrous Solid. The liquid segment held the largest share, 40.08%, in the calcium chloride market in 2022. It is owing to liquid calcium chloride that up to 35% is used with rock salt for snow and ice control. Calcium chloride reduces the repetitive and frequent application of salt by 40%. It remains active for a longer duration, thereby preventing ice from bonding with pavement or road. Application Overview in the MENA Calcium Chloride Market Based on application, Middle East & North African calcium chloride is segmented into de-icing, dust control and road stabilization, drilling fluids, construction, industrial processing and others. The de-icing segment accounted for the largest revenue share, 27.15%, in 2022 and is anticipated to generate USD 38.57 Million by 2029. It is due to calcium chloride used before a snow or ice storm prevents the snow and ice from accumulating on the road, thus making it easy to clear the road. It is used as a de-icing agent as it quickly melts snow and ice. Raw Material Overview in the MENA Calcium Chloride Market Based on raw material, Middle East & North African calcium chloride is segmented into natural brine, solvay process (by-product), limestone and HCL, and others. The solvay process (by-product) segment accounted for the largest revenue share, 39.88%, in 2022 and is estimated to generate USD 56.87 Million by 2029. It is due to the solvay process synthesizes high-purity limestone and salt brine solution to yield soda ash and calcium chloride as final products. Grade Overview in the MENA Calcium Chloride Market Based on grade, Middle East & North African calcium chloride is segmented into food grade, pharmaceutical grade, agriculture grade, and industrial grade. The industrial grade segment captured the largest revenue share, 57.93%, in 2022 and is estimated to generate USD 84.00 Million by 2029. It is due to the industrial grade as calcium chloride is widely utilized in various industrial applications. Calcium chloride is employed in the oil and gas industry for manufacturing and maintaining oil and gas wells. In addition, the rising demand for calcium chloride in numerous drilling products, such as completion fluids, drilling muds, packer fluids, completion fluids, workover fluids, concrete accelerators, and hydraulic fracturing for preventing gas formation is bolstering the growth of the market. Country Overview in the MENA Calcium Chloride Market Based on the country, the MENA calcium chloride market is segmented into Saudi Arabia, UAE, Qatar, Kuwait, Egypt, Sudan, Algeria, Morocco, Israel, Oman and the Rest of MENA Countries. Egypt dominated the Middle East & North Africa calcium chloride market with a value share of 22.00% in 2022. It is due to rising product demand in the oil and gas industry, rise in population and disposable incomes

has been increasing the demand for food processing, and growing demand in wastewater treatment problems. In addition to this, the growing utilization of calcium chloride in the construction sector as a dust-controlling agent is positively influencing the market. MENACalcium Chloride Market: Competitive Landscape Sachlo, Oman Chlorine S.A.O.G, Khair Inorganic Chemical Industries Company – InoChem, Nama Chemicals Company, Jordan Abyad Fertilizers and Chemicals Company P.S.C (JAFCCO), KorumaKlor Alkali, TCI Sanmar Chemicals, Evergrow, Solvay SA, Chloran Chemical Production Co. (CCPC Group), Al Ghaith Industries, TETRA Technologies, Occidental Petroleum Corporation, and Others Prominent Players are the key players in the MENACalcium Chloride market. About Us: Niir Project Consultancy Services (NPCS) is a research, advisory, and analytics company. We have a specialized team of consultants catering to various verticals, including Consumer Goods & Retail, Healthcare, ICT, chemicals, BFSI, and many others. In a very short time, we have expanded beyond the basic services to advanced research services such as Financial Modelling, Supply & Demand Analysis, Pricing Analysis, Competitive Analysis, and various other services, which not only facilitates the senior executives across industries but giants who have established names in different industry verticals. Through our indispensable business insights, we can help our clients to achieve the mission-critical tasks which facilitate them to build the organizations of tomorrow.



# About NIIR

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Mon, 12 Aug 2024 22:04:15 +0530