

# Rubber Processing and Compounding Technology Books, Rubber Processing Chemicals and Leather Processing Technology Books

## [Leather Processing & Tanning Technology Handbook](#)

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

**Format:** Paperback

**Book Code:** NI143

**Pages:** 592

**ISBN:** 9788190568593

**Price:** Rs. 1,400.00 **US\$** 150.00

Leather Industry has been one of the traditional industries operating at present. The hides and skins of animals are the source of leather and preserving hides and tanning them into leather has become an important industry. Leather-making is now a scientifically based industry, but still retains some of the charm and mystery of the original craft. Animal skin that has been processed to retain its flexibility, toughness, and waterproof nature is known as leather. "Leather tanning" is a general term for the numerous processing steps involved in converting animal hides or skins into finished leather. Tanning is the final process in turning hides and skins into leather. Tanning involves a complex combination of mechanical and chemical processes. The heart of the process is the tanning operation itself in which organic or inorganic materials become chemically bound to the protein structure of the hide and preserve it from deterioration. The main chemical processes carried out by the tanner are the unhairing, liming, tanning, neutralizing and dyeing. This indispensable handbook provides a detailed insight into the leather industry, leather processing and tanning technology with manufacturing of different forms of leather products. The book contains the manufacturing process of different forms and type of leather products like box and willow sides, glazed kid, sole leather, lace leather, belting and bag leather, chamois leather, upholstery leather, antique leather, light and fancy leather, etc. to name a few. This book will be very helpful to its readers, upcoming entrepreneurs, scientists, existing industries, technical institutions, technocrats, etc.

**Directory/ Database/ List of Rubber Industries/ Companies in India  
(Manufacturers of Rubber & Rubber Products, Rubber Chemicals,  
Machinery Suppliers etc.) 3rd Edition**

**Format:** CD-Rom

**Book Code:** NID84

**Price:** Rs. 3,658.00 **US\$** 150.00

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 Rubber Industries/ Companies in India (Manufacturers of Rubber & Rubber Products, Rubber Chemicals, Machinery Suppliers etc.) in excel format, .xls 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 Rubber Industries/ Companies in India (Manufacturers of Rubber & Rubber Products, Rubber Chemicals, Machinery Suppliers etc.) like, Rubber Companies, Rubber Chemical Suppliers, Mould, Latex, Automobile Industries, Exporters, Buying Houses, Buying Agents, Traders, Garment Showrooms, Wholesalers, Retailers, Cargo Shipper, Clearing Agents, Travel Agents, Custom House Clearing Agents, Bank, Money Exchanger, 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, Placement Companies, Labour Contractors etc. Information in this database contains over 4,800 records of Rubber Industries/ Companies in India. Details Includes: Company Name (4,800), Contact Person (3,600), Postal Address (4,750), Phone No. (4,800 Landline or Mobile), Fax (2,700), E-mail (4,800), Website (1,800). Note: All Records does not contain all fields of information. However, maximum information has been incorporated. Format: MS Excel

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## [The Complete Book on Rubber Processing and Compounding](#)

## Technology (with Machinery Details) 2nd Revised Edition

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

**Format:** Paperback

**Book Code:** NI174

**Pages:** 680

**ISBN:** 9788178331621

**Price: Rs. 1,875.00 US\$ 150.00**

The production of rubber and rubber products is a large and diverse industry. The rubber product manufacturing industry is basically divided into two major sectors: tyre and non-tyre. The tyre sector produces all types of automotive and nonautomotive tyres whereas the non-tyre sector produces high technology and sophisticated products like conveyor belts , rubber seals etc. The wide range of rubber products manufactured by the rubber industry comprises all types of heavy duty earth moving tyres, auto tyres, tubes, automobile parts, footwear, beltings etc. The rubber industry has been growing tremendously over the years. The future of the rubber industry is tied to the global economy. Rapidly growing automotive sector in developing economies and increased demand for high-performance tyres are expected to contribute to the growth of the global industrial rubber market. The current scenario reveals that there is a tremendous scope for the development of rubber processing industries. The global market for industrial rubber products is projected to increase 5.8 % per year. Investment in rubber industry is expected to offer significant opportunities in the near future and realizing returns to investors willing to explore this sector. This book deals with all aspects of rubber processing; mixing, milling, extrusion and molding, reclaiming and manufacturing process of rubber products. The major contents of the book are rubbers materials and processing, mixing technology of rubber, techniques of vulcanization, rubber vulcanization, rubber compounding, rubber reclaiming, manufacture of rubber products, latex and foam rubber, silicone rubber, polybutadiene and polyisoprene, styrene butadiene rubber, rubber natural etc. The book contains addresses of plant & machinery suppliers with their Photographs. It will be a standard reference book for professionals, entrepreneurs, those studying and researching in this important area and others interested in the field of rubber processing technology.

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## Directory/ Database/ List of Leather Industries/ Companies in India (3rd Edition)

**Format:** CD-Rom

**Book Code:** NID125

**Price:** Rs. 3,599.00 **US\$** 150.00

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 Leather Industries/ Companies in India in excel format, .xls 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 Leather Industries/ Companies in India like, leather tannery, Leather Chemicals, Glues, Adhesives, Exporters, Buying Houses, Buying Agents, Traders, Garment Showrooms, Wholesalers, Retailers, Cargo Shipper, Clearing Agents, Travel Agents, Custom House Clearing Agents, Bank, Money Exchanger, 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, Placement Companies, Labour Contractors etc. Information in this database contains over 5,800 records of Leather Industries/ Companies in India. Details Includes: Company Name (5,800), Contact Person (4,000), Postal Address (5,800), Phone No. (5,450 Landline or Mobile), Fax (2,650), E-mail (5,650), Website (1,600). Note: All Records does not contain all fields of information. However, maximum information has been incorporated. Format: MS Excel

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## [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\$ 150.00

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.

# Handbook on Rubber and Allied Products (with Project Profiles)

**Author:** NPCS Board

**Format:** Hardcover

**Book Code:** NI252

**Pages:** 163

**ISBN:** 9789381039267

**Price:** Rs. 2,295.00 US\$ 200.00

\*\*\*\*\* Limited Edition (AVAILABLE IN PHOTOSTAT VERSION ONLY) \*\*\*\*\*

Rubber products industry is an important resource based industry sector in India. Over the last decade the rubber industry has witnesses a steady and strong growth. Rubber exhibits unique physical and chemical properties. Rubber's stress-strain behavior exhibits the Mullins effect and the Payne effect, and is often modeled as hyperelastic. Rubber strain crystallizes. Owing to the presence of a double bond in each repeat unit, rubber is susceptible to vulcanisation and sensitive to ozone cracking. The two main solvents for rubber are turpentine and naphtha (petroleum). The former has been in use since 1764 when François Fresnau made the discovery. Giovanni Fabbroni is credited with the discovery of naphtha as a rubber solvent in 1779. Because rubber does not dissolve easily, the material is finely divided by shredding prior to its immersion. Rubber particles are formed in the cytoplasm of specialized latex-producing cells called laticifers within rubber plants. Rubber particles are surrounded by a single phospholipid membrane with hydrophobic tails pointed inward. The membrane allows biosynthetic proteins to be sequestered at the Surface of the growing rubber particle, which allows new monomeric units to be added from outside the biomembrane, but within the laticifer. The rubber particle is an enzymatically active entity that contains three layers of material, the rubber particle, a biomembrane, and free monomeric units. The monomer adds to the pyrophosphate end of the growing polymer. The process displaces the terminal high-energy pyrophosphate. The reaction produces a cis polymer. The initiation step is catalyzed by prenyltransferase, which converts three monomers of isopentenyl pyrophosphate into farnesyl pyrophosphate. The farnesyl pyrophosphate can bind to rubber transferase to elongate a new rubber polymer. The major contents of this book are project profiles of projects like Processing of Crude Rubber, Latex Rubber Foam Products, Rubber Floor Mats, Latex Rubber Threads, Rubber Compounding for Automotive Industry, Rubber Gaskets, Reclaim Rubber, Rubber Powder from Waste Tyre, Carbon Black from Waste Tyre Pyrolysis, Equipments used in Rubber Industry. Project profile contains information like; Introduction, Uses and Applications, Properties, Manufacturing Process, Plant Economics, Rated Plant Capacity, Plant & Machinery, Fixed Capital, Raw Material, Total Working Capital, Cost of



Project, Total Capital Investment, Turn Over/ Annum, Profit Sales Ratio, Rate of Return, Break Even Point (B.E.P). This book is very useful for new entrepreneurs, technical institutions, existing units and technocrats etc.

**Directory / Database of Corporate/Leading Companies in Indian Rubber and allied Products (Rubber Products, Rubber Chemicals, Machinery) with Financial Figures (4th Edition)**

**Format:** CD-Rom

**Book Code:** NID178

**Price:** Rs. 4,720.00 **US\$** 150.00

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resource for Buyers and those suppliers who offer their goods and services to Trade, Manufacturing industry, Companies, Corporate Houses & Industries in India. "Products: Rubber, Synthetic Rubber, Reclaimed Rubber, Waste, Parings & Scrap of Rubber, Vulcanized rubber thread & cord, Unvulcanised rubber products, Plates, Sheets, Strip, Rods etc. of Vulcanized rubber, Hoses, Tubes & Pipes of vulcanised Rubber, Conveyor or Transmission Beltings of Vulcanised Rubber, Solid Rubber Tyres, Hygine & Pharmaceutical rubber Products, Rubber articles of Apparel & Clothing, Hard Rubber in all form & articles, Other Rubber Products. Contains: 895 records with following Information: Name of Company, Address, City, Pin Code, Phone, Fax, Email, Website. Name of Directors, Location of Plants, Project Capacity, Production, List of Major Raw Materials, Name of Products, Turnover, List of Major Raw Materials with their consumption quantity & Raw material value. Comparison amongst companies (Assets, Cash Flow, Cost as % of sales, Forex Transaction, Growth in Assets & Liabilities, Growth in Income & Expenditure, Income & expenditure, Liabilities, Liquidity Ratios, Profitability Ratio, Profits, Return Ratios, Structure of Assets & Liabilities (%), 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

# [Indian Buyers Directory/ Database /List of Plastic & Rubber Products \(Wax, Coated, Laminated Pvc's Film, Packaging Materials, Etc.\) \(with Financial Data\)](#)

**Format:** CD-Rom

**Book Code:** NID209

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

Indian Buyers Directory/ Database /List of Plastic & Rubber Products (Wax, Coated, Laminated Pvc's Film, Packaging Materials, Etc.) (with Financial Data) Recommended for Packaging Industries, Automobile Companies, Importer/Exporters/Traders

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## About NIIR

**NIIR PROJECT CONSULTANCY SERVICES (NPCS)** is a reliable name in the industrial world for offering integrated technical consultancy services. NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our various services are: Detailed Project Report, Business Plan for Manufacturing Plant, Start-up Ideas, Business Ideas for Entrepreneurs, Start up Business Opportunities, entrepreneurship projects, Successful Business Plan, Industry Trends, Market Research, Manufacturing Process, Machinery, Raw Materials, project report, Cost and Revenue, Pre-feasibility study for Profitable Manufacturing Business, Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Business Opportunities, Investment Opportunities for Most Profitable Business in India, Manufacturing Business Ideas, Preparation of Project Profile, Pre-Investment and Pre-Feasibility Study, Market Research Study, Preparation of Techno-Economic Feasibility Report, Identification and Section of Plant, Process, Equipment, General Guidance, Startup Help, Technical and Commercial Counseling for setting up new industrial project and Most Profitable Small Scale Business.

NPCS also publishes various process technology, technical, reference, self employment and startup books, directory, business and industry database, bankable detailed project report, market research report on various industries, small scale industry and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by professionals including project engineers, information services bureau, consultants and project consultancy firms as one of the input in their research.

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**NIIR PROJECT CONSULTANCY SERVICES** , 106-E, Kamla Nagar, New Delhi-110007, India. **Email:** [npcs.india@gmail.com](mailto:npcs.india@gmail.com) **Website:** [NIIR.org](http://NIIR.org)

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