

Manufacturing Process
of
Wax and Polishes
with Formulation

Introduction

Wax and polishes are used for many purposes. Wax has their principal use in waterproofing; they are mainly consumed industrially as components of complex formulations, often for coatings. Waxes confer matting effects and wear resistance to paints. Although most natural waxes are esters, paraffin waxes are hydrocarbons, mixtures of alkanes usually in a homologous series of chain lengths. These materials represent a significant fraction of petroleum. They are refined by vacuum distillation. The degree of branching has an important influence on the properties. Millions of tons of paraffin waxes are produced annually.

They are used in adhesives, in foods (such as chewing gum and cheese wrapping), in cosmetics, and as coatings. Paraffin wax is typical of the agents that are coated on a film or sheet, one that really melt. Waxed paper, still the most widely used heat sealing material, was the earliest product to bring the advantages of heat sealing to packaging. Paraffin wax is mostly found as a white, odorless, tasteless, waxy solid, with an average melting point. The FT waxes are purely synthetic polymers of carbon monoxide and hydrogen which can be best be described chemically as mineral waxes. Duroxons of the B group also serve as additives in the manufacture of lubricating greases for the purpose of raising their dropping point and improving the consistency.

There are various types of mineral waxes; lignite wax, montan wax, durmont wax, ozocerite wax, utah wax, peat wax etc.

Utah waxes are successfully utilized in dance floor wax, linoleum wax, shoe polish etc. Some other important uses of waxes are in candles, polishes, electrical insulation, coatings and carbon paper. There are various types of polishes having industrial and domestic applications; abrasive polish, aluminium polish, motor car polishes, cellulose friction polishes, furniture polishes, leather belt polishes, pine oil metal polish etc. For many years, petroleum wax was considered a byproduct of lubricant base stock production, it has come onto its own over the last decade and is considered by most refiners to be a relatively high margin product and is often an important contributor to the overall profitability of the refinery.

Pure paraffin wax is an excellent electrical insulator. There are many refineries in India which have with fuel, lube, wax and petrochemical feed stocks production facilities.

Mineral waxes (including petroleum) account for an estimated 85% of this global demand, with synthetic waxes accounting for 10% and animal and vegetable waxes, accounting for 5%. Wax consumption is expected to grow at an average annual growth rate of 1% in this decade. Clearly, different regions and different product applications will enjoy different growth rates.

This book basically deals with microcrystalline waxes in floor polishes, properties of braxilian grades of carnauba wax, compatibility of paraffin waxes with other substances, synthetic mineral waxes, miscellaneous synthetic waxes, additives for raising melting point of candles, wax coating for fruits, shribs, and plants, effect of paraffin on esparto montan mixtures, water proofing of kraft papers, production of montan wax, polish, abrasives, metal cleaners, nickel silver castings, cleaning, polishing metals for metallographic analysis, paste for wax calf leather, burnishing polishes for automobile maintenance, etc.

The purpose of this book is to present comprehensive information of different types of wax and polishes like their processing, properties and uses. This book is very useful for new entrepreneurs, technocrats, professionals and researchers.

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Method 1

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Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation

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- *Corporates*
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- *Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin*
- *Activated Carbon & Activated Charcoal*
- *Aluminium And Aluminium Extrusion Profiles & Sections,*
- *Bio-fertilizers And Biotechnology*
- *Breakfast Snacks And Cereal Food*
- *Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling*



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- *Building Materials And Construction Projects*
- *Biodegradable & Bioplastic Based Projects*
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- *Confectionery, Bakery/Baking And Other Food*
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- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*

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- *Infrastructure Projects*
- *Jute & Jute Based Products*
- *Leather And Leather Based Projects*
- *Leisure & Entertainment Based Projects*
- *Livestock Farming Of Birds & Animals*
- *Minerals And Minerals*
- *Maize Processing(Wet Milling) & Maize Based Projects*
- *Medical Plastics, Disposables Plastic Syringe, Blood Bags*
- *Organic Farming, Neem Products Etc.*



Sectors We Cover *Cont...*

- *Paints, Pigments, Varnish & Lacquer*
- *Paper And Paper Board, Paper Recycling Projects*
- *Printing Inks*
- *Packaging Based Projects*
- *Perfumes, Cosmetics And Flavours*
- *Power Generation Based Projects & Renewable Energy Based Projects*
- *Pharmaceuticals And Drugs*
- *Plantations, Farming And Cultivations*
- *Plastic Film, Plastic Waste And Plastic Compounds*
- *Plastic, PVC, PET, HDPE, LDPE Etc.*



Sectors We Cover *Cont...*

- *Potato And Potato Based Projects*
- *Printing And Packaging*
- *Real Estate, Leisure And Hospitality*
- *Rubber And Rubber Products*
- *Soaps And Detergents*
- *Stationary Products*
- *Spices And Snacks Food*
- *Steel & Steel Products*
- *Textile Auxiliary And Chemicals*

Sectors We Cover *Cont...*

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