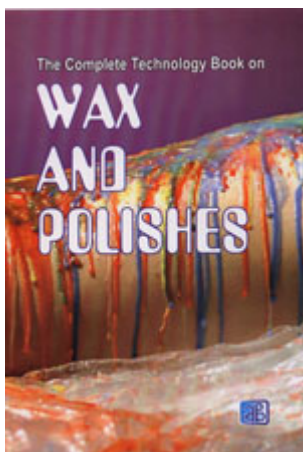


# The Complete Technology Book on Wax and Polishes (Reprint)



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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, shrubs, 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.

## Contents

### CHAPTER I

#### COMPOSITIONS WITH RESINS AND RUBBER

Resin-wax compositions

Compatibility of varnish resins with waxes

Wax-rosin compositions

Cumar (cumarone-indene resins) and wax compositions

Methacrylate resin hot-melt blends

Pliolite S-7 wax compositions

Microcrystalline wax-resin blends

Microcrystalline Waxes in Floor polishes

Wax-rubber compositions

Wax-Vistanex Blends

Viscosity of Vistanex-Wax Mixtures

Water Vapor Transmission

Flexibility

Sealing Strength

Paper Coatings (wax-Vinyl Copolymer)

### CHAPTER 2

#### VEGETABLE WAXES

Bayberry wax

Source

Candelilla wax

Compatibility

Specifications

Scope

Carnauba Wax

Production

Composition

Properties of Braxilian Grades of Carnauba Wax

Flower wax

First wax

Medium wax

Sandy wax

Fat wax

Specifications

Colour

Adulterations of Carnauba Wax

Cotton wax

Esparto wax

Fir Wax  
Properties of Fir wax  
Flax wax  
Japan wax  
Composition  
Grades Available  
Ouricury wax  
Preparation  
Composition  
Grade available  
Specifications  
Palm waxes  
Grade available  
Cuban Palm wax  
Compatibility  
Rice-oil wax  
Sugar cane wax  
Source  
Constituents of Sugar Cane Wax  
Ucuhuba Wax  
Cocoa Butter  
CHAPTER 3  
PARAFFIN WAX COMPOUNDS  
Compatibility of paraffin Waxes with Other Substances  
Paraffin wax with Bitumen

CHAPTER 4  
SYNTHETIC MINERAL WAXES  
Fischer-Tropsch (F-T) Waxes  
FT-200 and FT-300 Wax  
Specifications  
Hardening Fischer-Tropsch Wax  
Duroxon waxes  
Duroxon Waxes-Group C  
Duroxon Waxes- Group E  
Duroxon Waxes- Group H  
Duroxon Waxes- Group J  
Duroxon Waxes- Group R  
Parafint  
Parafint as Modifier  
Polymekon

CHAPTER 5  
MISCELLANEOUS SYNTHETIC WAXES  
Albacer  
Atlasene Waxes  
BASF waxes  
Cardis waxes  
Ceramid  
Diolin (Octadecanediol)  
Glyco Waxes  
Flexo Wax C  
Oxazoline waxes

Toxicity  
Experimental Synthetic waxes

## CHAPTER 6 INDUSTRIAL USES OF WAX

Adhesives  
Candles  
Wicks  
Winding  
Size of Candles  
Machinery  
Wax Candles  
Paraffin Candles  
Temperature Control  
Colors, Sizes, Shapes  
Standard Candle  
Additives for Raising Melting Point of Candles  
Melting point of Wax mixtures  
Congealing Point of Candles  
Coatings  
Foil Coatings  
Hot-melt coatings  
Protective and Decorative Coatings  
Wax Coating for Fruits, Shribs,and Plants  
Cosmetics  
Cold creams  
Vanishing creams  
Cleaning creams  
Emollient Creams  
Protective or Barrier Creams  
Sun Screen Creams  
Lipsticks  
Cream Rouge  
Eyebrow pencils  
Shaving Cream  
Antiperspirants  
Lotions  
Hand Cleaners  
Hair Straighteners  
Embalming Preparations  
Dental Waxes  
Carving Wax  
Method of producing Base-Plate wax  
Electrolytic Condensers  
Inks  
Printing Inks  
Carbon Paper Inks  
Effect of paraffin on Esparto-Montan Mixtures  
Leather Goods  
  
Finishes  
Saponified Shoe Cream

Manufacture of Saponified Creams  
Paper Products  
Practical Evaluations  
Additives  
Improved Compositions for wax Coatings  
Polyethylene-Paraffin Wax Paper Coatings  
Paper Finishes  
Stencils  
Water proofing of Kraft Papers  
Effects of a Wax Sizing on Insulating Board  
Pliolite-paraffin wax Compositions  
Pharmaceutical preparations  
Photomechanics  
Plastics  
Polishes  
Floor Polishes  
Rubless Emulsion Polishes  
No-Rub Resin -Wax Emulsion Polish  
Pyrotechnics  
Rubber  
Textile processing  
Sizing  
Printing  
Finishing  
Yard Finishes  
Water Proofing

## CHAPTER 7

### OTHER MINERAL WAXES

Montan wax  
Sources  
Production of Montan Wax  
Composition  
Properties of Montan Wax  
Durmont Waxes  
Uses of Montan Wax  
Modified Montan Waxes  
Lignite wax  
Ozocerite wax  
Occurrence  
Manufacture of Ozocerite  
Composition  
Properties of Ozocerite  
Compatibility  
Adulterations  
Ceresin  
Utah wax  
Peat wax

## CHAPTER 8

### POLISH, ABRASIVES, METAL CLEANERS

Abrasive Compound  
Brass, Refinishing Corroded  
Cellulose-Friction Polishes

Flatting Paste Emulsions  
Finishing Floor Wax  
Liquid Floor wax (Rubbing Type)  
Wood Floor Finish  
Furniture polishes  
Leather Belt Polish  
Leather Dressings  
Leather Finish  
Metal Polish  
Tank A  
Tank B  
Pipe Oil Metal Polish  
Nickel Silver Castings, cleaning  
Non-Caking Shoe Dressings  
Dyeing "Shoe" Plush Brown  
Shoe Polish  
Synthetic Spinel  
Sand Papers and Emery Papers  
Abrasive Wheels  
Automobile Polish  
Furniture Polish  
Polishing Cloth  
Oil Polish for Furniture  
Furniture Polish  
Removing Scratches from Furnishes  
Non-slippery Floor wax  
Floor Polish  
Floor sweeping Compound for Polished Floors  
Wood-Preserving and Finishing  
"Italian" Powder for Polishing Marble  
Colored Burnishing Clay  
Sharpening Compositions  
Aluminium Polish  
Directions for use  
Non Scouring Copper Polish  
Automobile Polish (Tumbler's)  
High Luser Polish for Shoes  
Sporting Shoe dressings, paste  
Notes on Cleaning White Shoes  
Shoe White (Water Type)  
Shoe White (Waterproof Type)  
Cleansing and Polishing compositions  
Auto-Polishes  
Automobile Polishes(oils)  
Automobile-Polishes (Pastes)  
Automobile Polishes  
Metal Polish Pastes  
Metal Polishing Cloths  
Polishing Metals for Metallographic Analysis  
Aluminum Polish Powders  
Liquid Polishes for Iron or Steel  
Polish for Silver, Nickel, Brass, Chromium, etc.  
Silver Polishes

Liquid Silver Polishes  
Removing Silver Polish  
Silver Polishing Cloths  
Wax Paste Stove Polish  
Quick Drying Stove Polish  
Water-Resistant Floor Emulsion Polish  
Rubless Bright Drying Water Wax Polishes  
Semi Bright Drying Wax Emulsion Polishes  
Floor Polish Powders  
Floor Mop Oil  
French Polishing  
Cleaning and Polishing Table  
Ski wax  
Paste for Wax Calf Leather  
Leather Cleaning and Polishing stick  
Types of Cleaners  
White Shoe Polish  
White Leatehr polish  
Shoe Polishes  
Polishing, Lapping and Tumbling  
Abrasives  
Poolishing Wheels  
Metal Polish  
Liquid metal polishes  
Paste Metal Polish  
Wax Polish for varnished metals  
Fine instrument scale polish  
Polishing by barrel Tumbling  
Barrel Tumbling material  
Stove Polishes  
Sodium silicate Solutions  
Artrificial Graphite  
Stove Polishes  
Dance Floor Polishes  
Bright Drying Floor Polishes  
Emulsified Floor waxes  
Wax for polishes  
White Shoe Polishes  
Oil Polish  
Burnishing Polishes for Automobile Maintenance  
Silver Polish  
Jewelry Polish  
Bright Drying Floor Polish  
Floor Treatments  
Wood Floors  
Floor Waxes or Polishes  
Cement (Concrete) Floors  
Vitreous Tile or Ceramic and Terrazzo Floors  
Marble and Travertine Floors  
Linoleum Floorings  
Rubber Floors  
Cork Tile and Cork Carpet Floorings  
Asphalt Tile and mastic Floors

Plastic magnesia Cement Floors  
Slate Tile Floors  
Bonded Abrasive Wheels  
Removing Scratches from Glass

## CHAPTER 9

### POLISHES

Heavy Duty Floor Polish  
Carnauba Base Floor Polish  
Silicon Furniture Polish  
Liquid Floor polish  
Bright Drying Floor Wax  
Silicone Polishing Cloth  
Mineral Oil Emulsion Polish  
Aerosol Polish  
Aerosol waxeless Polish  
Auto Cleaner Polish  
Ball Bearing Polish  
Metal Polish  
Silver Polish (Dip)  
Antislaking Buffing Composition  
Abrasive Vehicle (Oil)  
Insectidal Floor Wax  
Opaque-White Nonrubbing Floor Wax  
Floor-Wax Emulsion  
Non-Rubbing Floor Wax  
Water Emulsion paste Waxes  
Liquid Solvent Waxes  
Solvent-Type paste Waxes and Shoe Polishes  
Stable Wax-Solvent Floor Polish  
Liquid Solvent Floor wax  
Buffing Compound  
Metal Abrasive  
Paste Wax Polish (Auto wax)  
(Floor and Furniture wax)  
Liquid Wax Polish  
Auto Polish  
Glass Polish  
Oven polish  
Silver Polish  
Metal Polishing Cloth  
Chromium Polish  
Leather Polish  
Liquid Leather Polish  
Paste Leather Polish  
Shoe Polish Paste (for Tubing)  
Shoe Creams  
Furniture Polish  
Floor Wax Remover  
Bright Drying Floor Polish (Emulsion) (rubber)  
Floor wax  
Diamond abrasive  
Synthetic Abrasive



Auto Rubbing compounds  
Buffing Compounds  
Cream Buffing Wax  
Automobile polish  
Metal Cleaning and Polishing Cloth  
Metal Polish  
Furniture Polish  
Furniture Cleaner and Polish  
Floor Polish  
Dance Floor Wax  
Oil Polishes  
Wax Polishes  
Wax Paste Polish  
Rubber Polishes  
Rubber Wax Floor Polish  
Method 1  
Method 2  
Variation  
Triethanolamine Water-Resistant Rubless Polish  
Morpholine Water-Resistant Rubless Polish  
Method 1  
Method 2  
Resin, Shellac, Casein Dispersions  
Natural Resin Dispersions  
Preparation of Formula No.1.  
Preparation of Formula No. 2  
Shellac Dispersion  
Casein Dispersion  
Polishing Paste  
Diamond Dust Abrasive  
Abrasive Cleaner  
Lens Polishing Powder  
Polishing Powder  
Smoothing Compound for Lucite and Plexiglas  
Tumbling Barrel Polish  
French Polish Base  
Black Paste Shoe Polish  
Soft Leather Polish  
Rubber Foot wear Polish  
Rubless Floor Wax  
Bright-Drying Floor Wax Emulsion  
Durez Wax Base  
Floor Polish  
Dance-floor Wax  
Furniture Polish  
Perfume for Furniture Polish  
Paste Waxes  
Black Shoe Polish  
Leather Polish  
Polish for Edging Leather Straps  
Automobile Polish  
Automobile Polish and Cleaner  
Automobile Finish Haze Remover

Automobile Hand-Rubbing Compound  
Stone and Porcelain Polish  
Glass Wax Polish  
Optical-glass Polish  
Rough Diamond-Polish Substitute  
Lapping Compound  
Stove Polishing Stick  
Gold Polish  
Silver Polish  
General Metal Polish  
Brass Polish  
Brass and Bronze Cleaner and Polish  
Brass, Nickel, and Chrome Polish  
Brass-Buffing Soil Cleaner  
Tripoli-buffing Composition for Brass  
Tripoli-cut-and-color Composition for Brass  
White-Lime- cut-and-color Composition for Brass  
Red Oxide Color Composition for Brass  
Metal-Buffing Compound  
Polishes  
Silver Polish  
Metal Polish  
Rust-Preventing Metal Polish  
Chemical Nickel Polish  
Glass and Metal Polish  
Electric Shaver Sharpening Paste  
Glass-Grinding Fluid  
Abrasive Diamond Paste  
Silicone Furniture Polish  
Silicone Auto Polish  
Silicone Cleaner Polish  
Silicone Wax Polish  
Furniture Polish  
Solvent-type Paste Floor Polish  
Solvent-Type paste Wax Polishes  
Liquid Type wax Polishes

Floor-Polish Paste  
Buiffing Paste Polish  
Oil Polish  
Paste Shoe Polish  
Liquid White shoe dressing

## CHAPTER 10

### MICROCRYSTALLINE WAXES

Differences between microcrystalline and paraffin waxes  
Fractional crystallization of petroleum waxes  
Properties of Microcrystalline waxes  
Melting point  
Compatibility  
Laminating properties of Microcrystalline waxes  
Miscibility with additives  
Solubility

Specific Gravity at various Temperatures  
Thermal Expansion and Melting point of waxes  
Oxidized microcrystalline waxes  
Emulsifiable Microcrystalline waxes  
Petrolatum wax  
Uses of Microcrystalline waxes  
Drum Linings  
Vat Linings  
Miscellaneous data  
Properties of some commercial Microcrystalline wax  
Amsco waxes  
Aristo Waxes  
Bareco waxes  
Bareco Hard Wax  
Bareco Plastic waxes  
Bareco Emulsifiable waxes  
Bareco Synthetic waxes  
Electrical Properties of Bareco waxes  
Be Square Waxes  
Mobile Waxes  
Milti Waxes  
Pearl Waxes  
Sova Waxes  
Super Flex Waxes  
WarWick Waxes

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