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, shrimps, 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-resin 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 Brazilin Grades of Carnauba Wax
Flower wax
First wax
Medium wax
Sandy wax
Fat wax
Specifications
Colour
Adulterations of Carnauba Wax
Cotton wax
Esparto wax
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
Duroxen Waxes-Group C
Douroxon Waxes- Group E
Duroxon Waxes- Group H
Duroxon Waxes- Group J
Duroxon Waxes- Group R
Paraflint
Paraflint 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, Shrubs, 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 Sixing 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
Oxocerite 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 Leather polish
Shoe Polishes
Polishing, Lapping and Tumbling
Abrasives
Polishing 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
Artificial 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 Norrubbing 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 Microcorystalline 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 waxes
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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