

# Handbook on Oleoresin and Pine Chemicals (Rosin, Terpene Derivatives, Tall Oil, Resin & Dimer Acids)

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Oleoresin and pine chemicals are a fascinating group of substances derived from the sap of coniferous trees. This diverse family of products includes rosin, terpene derivatives, tall oil, resin, and dimer acids, each with their own unique properties and characteristics. Rosin, also known as colophony, is a sticky substance that is obtained by distilling the resin from pine trees. Terpene derivatives, on the other hand, are a broad class of compounds that are derived from terpenes, which are the primary components of essential oils in plants. Tall oil is a byproduct of the pulping process in the paper industry. It is obtained by extracting fatty acids from the black liquor, a waste stream generated during pulp production. Resin refers to the mixture of gum and resin obtained from pine trees. It is often processed to remove impurities and concentrated into a solid or liquid form. Dimer acids are a specific type of fatty acid derived from tall oil or other vegetable oils. They are created through a chemical reaction called dimerization, which involves the linking of two fatty acid molecules. Dimer acids are known for their excellent performance as raw materials in the production of various products such as coatings, adhesives, and synthetic lubricants.

The global oleoresin market size is anticipated to witness a compound annual growth rate (CAGR) of 6.9%. Growing demand from healthcare, pharmaceutical, food, and beverage industries are driving forces of the global oleoresin market. Oleoresins are made from varied ingredients and spices, which are found all around the world. It is usually found in semi-solid extract form. A variety of oleoresins has multiple characteristics based on the spice they are derived from. They exhibit numerous therapeutic as well as antioxidant properties as well and are utilized in the pharmaceutical, healthcare, food, and beverage industries. The European region led the market with a revenue share of more than 30%. This is attributed to the increasing demand for flavors and coloring agents from the food & beverage industry. Another factor contributing to increased demand for the product in the region is the demand from cosmetic, fragrance, and personal care products industries that act as a hefty end-use industry for oleoresins.

The Major Contents of the books are Pinus, Oleoresin Extraction, Processing of Oleoresin, Rosin Derivatives, Terpene Based Adhesives, Essential Oil, Wood Turpentine Oil, Turpentine Products, Tall Oil, Dimer Acids.

A comprehensive reference to manufacturing and entrepreneurship in the Oleoresin and Pine Chemicals products business. This book is a one-stop shop for everything you need to know about the Oleoresin and Pine Chemicals products manufacturing industry, which is ripe with potential for manufacturers, merchants, and entrepreneurs. This is the only comprehensive guide to commercial Oleoresin and Pine Chemicals products manufacture. It provides a feast of how-to knowledge, from concept through equipment purchase.

# Contents

## 1. PINUS

- Introduction
- Distribution
- Distribution in India
- Morphology
- Key to the Identification of Indian Species
- Anatomy
- Root
- Root-Stem Transition
- Shoot Apex
- Stem
- Leaf
- Embryology
- Male Cones
- Female Cones
- Pollination
- Receptive Spot
- Fertilization
- Embryogeny
- Seed Coat
- Wing
- Germination
- Cytology
- Seed Testing
- Seed Production and Dormancy
- Breeding
- Diseases
- Mycorrhiza
- Pests

## 2. PINE OLEORESIN EXTRACTION METHODS

- Introduction
- Cup the Larger-Diameter Trees for Increased Yields and Greater Profits
- Double-Facing
- Gum Yield from Shoulders
- Use Correct Tin Lengths
- First-Year Installation of Spiral Gutters with Double-Headed Nails
- Shaving the Bark
- Attach the Apron First
- Attaching the Spiral Gutter
- Completed Installation
- Use of the Advanced Streak
- Turpentine and Growth
- Bark Chipping
- Mounting and Sharpening the Bark Hack
- Treating the Streak
- Acid Penetration Above the Streak
- Wounding the Tree for Gum Production
- Metal Cups, Acid Corrosion and Gum Grades
- Raising Tins Installed with Double-Headed Nails
- Bark Pulling and Acid Treatment

How to Use the Spray-Puller  
 Acid Paste Method  
 Applying the Paste  
 Chipping and Paste Treatment  
 Streak Height  
 Turpented Section Suitable for Other Wood Products  
 Beetle Attacks and Control Measures  
 The Black Turpentine Beetle  
 The Ips Beetle  
 Solutions for Beetle Control  
 3. PINES FOR THEIR OLEORESIN  
 Occurrence, Formation and Exudation of Oleoresin in Pines  
 Oleoresin Tapping  
 French Methods  
 Spanish Method  
 Greek Method  
 Indian Method  
 Mexican Method  
 American Bark-Chipping Method  
 The Austrian and German "Herringbone" Methods  
 Russian Methods  
 Methods in Other Countries  
 Felled Pine Wood as Source of Rosin and Turpentine  
 Composition of Oleoresin  
 Summary  
 4. PROCESSING OF OLEORESIN  
 Processing of Oleoresin  
 Olustee Gum Cleaning Process  
 Recovery of Turpentine and Rosin  
 Stripping Column  
 Multiple Tube Column  
 Luwa Columns  
 Fractionation of Turpentine  
 Batch Operation  
 Semi-Continuous Operation  
 Continuous Operation  
 Column Packings  
 Isomerisation of  $\alpha$ -Pinene  
 Camphene Via Bornyl Chloride  
 Catalytic Isomerisation of  $\alpha$ -pinene  
 Reaction Mechanism  
 Design Aspect of an Isomerisation Reactor  
 Liquid Phase  
 Vapor Phase  
 5. ROSIN DERIVATIVES AND ITS POTENTIAL  
 6. HYDROGENLESS HYDROGENATION OF RESIN  
 ACIDS  
 Experimental  
 Results and Discussion  
 Transfer Hydrogenation of Isopimaric/Pimaric Acids  
 Transfer Hydrogenation of Abietic Acids  
 Reaction Mechanism  
 7. NEW DEVELOPMENTS IN ROSIN ESTER AND

## DIMER CHEMISTRY

New Rosin Esters

Chemistry of Rosin Dimers

## 8. TERPENE RESINS

Physical Properties

Chemical Properties

Manufacture

Uses

## 9. TERPENE BASED ADHESIVES

Introduction

Chemistry

Beta-Pinene Resins

Initiation

Propagation

Termination

Dipentene Resins

Alpha-Pinene Resins

Physical Characteristics of Resins

Pressure Sensitive Adhesives

Hot Melt Adhesives

Analytical Methods

Commercial Resins and Their Uses

Commercial Production

Applications in Pressure Sensitive Adhesives

Applications in Hot Melt Adhesives

## 10. OZONOLYSIS OF ALPHA-PINENE

Effect of Solvent, Ozone Concentration and Temperature on Yields were Investigated

Experimental Conditions are Discussed

## 11. $\alpha$ -BROMOLONGIFOLENE

Steam Distilled Products

Residue

Chromic Acid Oxidation of Dilongifolenyl Ether

Lead Tetraacetate Oxidation of Longifolene

## 12. PEROXIDES FROM TURPENTINE

Peroxide Number and Degree of Unsaturation are Tests of Product Quality

Catalytic Hydrogenation of Pinene to Pinane is First Step in Hydroperoxide Production

Small and Large Scale Techniques of Pinane Oxidation are Investigated

Cold-Rubber Polymerization

Decomposition of Pinane Hydroperoxide

Over-all Yield of 85% is Realized in Production of High Purity Hydroperoxide

Peroxidation

Stripping of Oxidates

Polymerization

Heavy Metal Salts Accelerate Decomposition of Pinane Hydroperoxide

Decomposition

Summary

## 13. PINONIC ACID

Ozonolysis of  $\alpha$ -Pinene in Acetic Acid Solution Proved Best Method

Yields were Determined by Partition Chromatography

Ozone Source

Reagents

Ozonization

Calculations and Analyses

Direct Ozonolysis was not Successful

Ozonization in Methanol

Ozonization and Decomposition in Aqueous Acetic Acid at Room Temperature

Ozonization in Aqueous Acetic Acid at 0°C. Decomposition in the Presence of Oxidants

Ozonization in Nitromethane

#### 14. SYLVESTRENE AND SOME OF ITS DERIVATIVES

Sylvestrene

Sylvestrene Nitrosochloride

Sylvestrene Oxide

m-Terpeneols

Sylvestrihydrocarvone

#### 15. 8-ACETOXYCARVOTANACETONE

#### 16. RECOVERY OF 3-CARENE FROM CHINESE

TURPENTINE AND SYNTHESIS OF

ACETYLCARENES

Introduction

Distillation of Wood and Sulfate Turpentine

Material and Methods

Distillation Results

Synthesis of Acetyl-Carene

Materials and Methods

Results and Discussion

Synthesis Products

#### 17. HOMOPOLYMERS AND COPOLYMERS OF

ACRYLATES

Introduction

Results and Discussion

Monomers

Homopolymerization

Copolymerization

Terpolymerization

Epoxidation

Curing

Hydrolysis of Polymethacrylate of I

Experimental

Reduction of  $\alpha$ -Campholene Aldehyde

Typical Preparation of a Monomer: Methacrylate of II

Typical Homopolymerization Recipe: Homopolymer Methacrylate of II

Typical Copolymerization Recipe: Copolymer of the Methacrylate of II and Acrylate of I

Solution Copolymer of the Methacrylate of II and Fumaronitrile

Typical Terpolymerization Recipe: Terpolymer of the Acrylate of I, Acrylonitrile and Butadiene

Typical Epoxidation Procedure

#### 18. POLYMERS AND COPOLYMERS OF VINYL

PINOLATE

Preparation of Vinyl Pinolate

Polymerization

Reaction of Vinyl Pinolate Copolymers with Isocyanates

Experimental

Preparation of Vinyl Pinolate

Polymerization of Vinyl Pinolate in Solution

Polymerization of Vinyl Pinolate in Suspension

Polymerization of Vinyl Pinolate in Emulsion

Copolymerization of Vinyl Pinolate and Vinyl Acetate in Solution

Copolymerization of Vinyl Pinolate and Vinyl Chloride in Solution  
 Copolymerization of Vinyl Pinolate and Vinyl Chloride in Emulsion  
 Reaction of Polymers with Isocyanates  
 Evaluation of Vinyl Pinolate and Vinyl Chloride Copolymers  
 19. HOMOPOLYMERIZATION OF HYDRONOPYL VINYL ETHER  
 Discussion  
 Experimental  
 Materials  
 Preparation of 2-Hydranopoxyethyl Vinyl Ether  
 Polymerization of HVE and HEVE  
 X-Ray Analysis of Poly (HVE)  
 Evaluation of Poly (HEVE)  
 20. TERPOLYMERS OF ETHYLENE AND PROPYLENE WITH d-LIMONENE AND  $\alpha$ -PINENE  
 Introduction  
 Results and Discussion  
 Experimental  
 Materials  
 Preparation of EPT Rubber  
 Analysis of Unsaturation  
 Determination of Gel Content  
 Determination of Methyl Group Content in Polymer  
 21. LOW MOLECULAR WEIGHT POLYMERS OF d-LIMONENE  
 Experimental  
 Materials  
 General Procedure  
 Results  
 Infrared Spectra  
 Nuclear Magnetic Resonance Spectra  
 Optical Activity  
 Perbenzoic Acid Oxidation  
 Discussion  
 22. BASE-CATALYSED ISOMERISATIONS OF TERPENES  
 Hydrocarbons  
 Alcohols  
 Aldehydes  
 Ketones  
 Acids  
 Esters  
 Epoxides  
 Conclusion  
 23. COPOLYMERS OF VINYL CHLORIDE OF PINENE  
 Experimental  
 Homopolymerization  
 Copolymerization  
 Test of Heterogeneity of a Copolymer  
 Evaluation of New Polymers  
 24. POLYALLOXANE-CIMENE  
 Experimental  
 Monomer

Polymerizations

Polymer

Ozonolysis

Discussion of Results

## 25. ESSENTIAL OIL IN CHLOROPHYLL-CAROTENE

PASTE FROM PINE NEEDLES AND TWIGS

Abstract

## 26. ESSENTIAL OIL OF THE CONE OF PINUS

SYLVESTRIS VAR. MONGOLICA

## 27. COMPONENTS OF PINE ROOTS

Conclusions

Composition of the Remaining Neutral Fraction

Composition of the Carbonyl Fraction

Composition of the Hydroxyl Fraction

Results and Discussion

Composition of Turpentine

Composition of the Resin Acid Fraction

## 28. WOOD TURPENTINE OIL FROM PINE STUMPS

## 29. BLENDING OF TURPENTINE PRODUCTS

Lilac

Pine Bouquet

Cuir De Russe (for leather)

Violet

Lavender Bouquet

Oriental

Gardenia

Fougere

Eau De Cologne

Amber

Chypre

Ylang Syn

Sweet Pea

## 30. BIOLOGICALLY ACTIVE COMPOUND FROM

TURPENTINE

Terpenoids as Antimicrobials

Terpenoids as Anthelmintics

Terpenoids as Insecticides

Terpenoids as Plant Growth Hormones

Terpenoids as Anticancer Agents

Terpenoids as Pharmacological Agents

Terpenoid Derivatives as Biodynamic Agents

Terpenoids as Intermediates for Synthesis of Bio-dynamic Agents

## 31. INSECTICIDES BASED ON TURPENTINE

Toxaphene (C<sub>10</sub>H<sub>10</sub> Cl<sub>8</sub>)

Strobane (C<sub>10</sub>H<sub>11</sub> Cl<sub>7</sub>)

## 32. TALL OIL

History of Tall Oil

Production Processes for Tall Oil

Recovery of Tall Oil

Acid Refining of Tall Oil

Fractionation of Tall Oil

Composition and Properties of Tall Oil

Crude Tall Oil

Distilled Tall Oil  
 Acid Refined Tall Oil  
 Fractionated Tall Oil  
 Analysis and Testing of Tall Oil Products  
 Shipping, Storage and Handling of Tall Oil Products  
 Crude Tall Oil  
 Acid Refined Tall Oil  
 Tall Oil Fatty Acids and Distilled Tall Oils  
 Tall Oil Heads  
 Tall Oil Pitch  
 Tall Oil Rosin  
 Safety Notes  
 Applications of Tall Oil  
 The Chemistry of Tall Oil Fatty and Rosin Acids  
 Chemical Composition of Tall Oil Fatty Acids  
 General Reactions of Tall Oil Fatty Acids  
 Chemical Composition of Tall Oil Rosin  
 General Reactions of Tall Oil Rosin  
 Tall Oil Products in Surface Coatings  
 Tall Oil in Alkyd Resins  
 Tall Oil Formulations in Alkyd Resins  
 Esters of Tall Oil Products  
 Tall Oil Formulations in Esters  
 Other Uses for Tall Oil Products  
 Tall Oil in the Plasticizer Field  
 Esterification of Tall Oil for Plasticizers  
 Tall Oil in Adhesives and Linoleum Cement  
 Tall Oil in Rubber-based Adhesives  
 Tall Oil in Hot-Melt Adhesives  
 Tall Oil Products in Linoleum Cements  
 Formulation with Tall Oil  
 Formulation with Tall Oil Esters  
 33. DIMER ACIDS  
 The General Characteristics of Dimer Acids  
 Introduction  
 Dimer Acids Manufacture and Feedstock  
 By Products of the Dimerization Reaction  
 Monomer Acids  
 Trimer Acids  
 Structure and Properties of Dimer Acids  
 Structure of Dimer Acids  
 Analysis of Dimer Acids  
 Physical Properties of Dimer Acids  
 Chemical Reactions of Dimer Acids  
 Reactions of the Double Bonds and at the  $\alpha$ -Carbon Atoms  
 Reactions of the Carboxyl Groups to Produce Monomeric Derivatives  
 Reactions of the Carboxyl Groups to Produce Polymeric Derivatives  
 Commercial Applications of Dimer Acids and Their Derivatives  
 Introduction  
 Applications of Dimer Acids  
 Applications of Monomer Acids and Derivatives  
 Applications of Trimer Acids and Derivatives  
 Applications of Low-Molecular Weight Derivatives of Dimer Acids



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