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# **The Complete Book on Adhesives, Glues & Resins Technology (with Process & Formulations) 2nd Revised Edition**

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## **Description**

An adhesive is a material used for holding two surfaces together. In the service condition that way adhesives can be called as “Social” as they unite individual parts creating a whole. A useful way to classify adhesives is by the way they react chemically after they have been applied to the surfaces to be joined. There is a huge range of adhesives, and one appropriate for the materials being joined must be chosen. Gums and resins are polymeric compounds and manufactured by synthetic routes. Gums and resins largely used in water or other solvent soluble form for providing special properties to some formulations. More than 95% of total adhesive used worldwide are based on synthetic resins. Gums and resins have wide industrial applications. They are used in manufacture of lacquers, printing inks, varnishes, paints, textiles, cosmetics, food and other industries.

Increase in disposable income levels, rising GDP and booming retail markets are propelling growth in packaging and flexible packaging industry. Growth of disposable products is expected to increase, which leads to increase in consumption of adhesives in packaging industry. The global value of adhesive resins market is estimated to be \$11,339.66 million and is projected to grow at a CAGR of about 4.88% in coming years. Rapid urbanization coupled with growing infrastructure and real estate construction projects is projected to further fuel demand for adhesives in India.

This handbook covers photographs of plant & machinery with supplier’s contact details and manufacturing aspects of various adhesives, glues & resins. The major contents of the book are glues of animal origin, fish glues, animal glues, casein glues & adhesives, blood albumen glues, amino resin adhesives, cyanoacrylate adhesives, epoxy resin adhesives, phenolic resin adhesives, polychloroprene resin adhesives, polysulfide sealants & adhesives, resorcinolic adhesives, furan resin adhesives, lignin adhesives, polyamide adhesives, rosin adhesive, tannin adhesives, terpene based adhesives, starch adhesives, acrylic adhesives and sealants, pressure sensitive adhesives, hot melt adhesives, alkyd resins, acrylic modified alkyd resins, alkyd –amino combinations based on neem oil, amino resins, carbohydrate modified phenol- formaldehyde resins, epoxy resins etc.

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 adhesives, glues & resins technology.

## **Content**

## ADHESIVES

### 1. Glues of Animal Origin

Properties

Methods of Manufacture

Commercial Grades and Specifications

Methods of Analysis

Sampling

Procedure

Identification

Physical Measurements

Determination of Other Constituents

### 2. Fish Glues

Introduction

Manufacturing Process

Properties

Applications & Formulations

Rubber-to-Steel

Strawboard-to-Steel

Rubber-or Cork-to-Plywood

Paper-to-Steel

Straight Line Gluing

### 3. Animal Glues

Introduction

Chemical Composition

Manufacture of Animal Glues

Properties

Liquid Animal Glues

Formulation & Applications

Methods of Application

### 4. Casein Glues and Adhesives

Introduction

Properties

Casein Blend Glues

Lime free Casein Adhesives

Applications

Casein Adhesives for Bonding Paper

Casein Adhesive for Binding Dissimilar Materials

### 5. Blood Albumen Glues

Introduction

Solubility Categories

Properties

Blood-Soybean Flour Combinations

Mold Resistance

Application

6. Amino Resin Adhesives

Introduction

Manufacturing Technology

Urea Adhesive for Plywood

Urea Adhesive for Particle Board

Spray Dried Melamine-formaldehyde Resins

Foundry Resin

Aniline-Formaldehyde Resin

Ø Represents benzene ring

Sulfonamide-Formaldehyde Resins

Applications

Adhesives for Hardwood Plywood

Sand Core Binder

Water Proof Corrugated Board

Compounding and Formulation

7. Cyanoacrylate Adhesives

Introduction

Bonding with Cyanoacrylates

Adhesive Properties

Applications

8. Epoxy Resin Adhesives

Introduction

Chemistry

Epoxy Novolac Resins

Flexible Epoxy Resins

Epoxidized Olefins

Speciality Epoxy Resins & Derivatives

Epoxy Esters of Rosin

Epoxy Esters of Styrenated Rosin

Epoxy Esters of Disproportionated Rosin

Epoxy Novolac Esters

Epoxy Ester of Maleopimaric Acid

Compounding

Curing Agents

Diluents

Modifiers

Flexibilizers

Fillers

Accelerators  
Speciality Additives  
Manufacture of Adhesives  
9. Phenolic Resin Adhesives  
Introduction  
Resole resin  
Novalac Resins  
Manufacture  
Applications and Formulations  
Contact Adhesives  
Adhesive Compounding  
Nitrile/Phenolic Contact Adhesives  
Structural Adhesives  
Vinyl/Phenolic  
Epoxy/Phenolic  
Hot Melt Adhesives  
Hot Melt Vinyl Film to Wood Laminating Adhesives  
Pressure Sensitive Adhesives (PSA)  
10. Polychloroprene Resin Adhesives  
Introduction  
Types of Polychloroprene  
    Applications and Formulations  
Applications  
  
11. Polyester Resin Adhesives  
Introduction  
Linear Polycarbonates  
Polymerized Oils  
Alkyd Resins  
Unsaturated Polyester Adhesives  
Adhesives for Flexible Printed Circuit  
Allyl Ester Adhesives  
12. Polyethyleneimine in Adhesives  
Introduction  
Applications  
General Adhesives  
Tie Coat Adhesives  
13. Polysulfide Sealants and Adhesives  
Introduction  
Polysulfide Sealants  
Chemistry

Compounding  
Curing Agent  
Retarder  
Reinforcement  
Adhesion Additives  
Primers  
Improved Heat Resistance  
Applications  
Adhesives from Polysulfide Liquid Polymer  
Epoxy Resin Reactions  
14. Resorcinolic Adhesives  
Introduction  
Resorcinol-Phenol Formaldehyde Resins  
Modified Resorcinol Resins  
Aspects of Adhesion Mechanism  
Formulation of Glue Mixtures  
Laminating  
    15. Ethylene Copolymer Hot Melt Adhesives  
Introduction  
Crystallinity  
Compatibility  
Pressure Sensitive Tack  
Hot Melt Adhesive Formulating  
Book Binding Adhesives  
Carton and Case Sealing Adhesives  
Carpet Application  
Shoe Adhesives  
Pressure Sensitive Adhesives (PSA)  
Furniture Adhesives  
16. Furan Resin Adhesives  
Introduction  
17. Isocyanate Adhesives  
Introduction  
Advantages of Isocyanate Adhesives  
Disadvantages of Isocyanates  
Applications  
Types and uses of Isocyanate based Adhesive System  
18. Lignin Adhesives  
Introduction  
Formulations  
19. Polyamide Adhesives

Introduction

Class I: Thermoset Adhesives Containing Liquid  
Polyamide Curing Adhesives

Class II: Nylon-Epoxy Resins

Class III: Thermoplastic Hot Melt Polyamide Adhesives

Class IV: Thermoplastic-Thermoset Adhesives

20. Polyimide Adhesives

Introduction

Adhesive and Bonding Technology

Foam System

21. Rosin Adhesives

Introduction

Applications

Formulations

Solvent Adhesives

Emulsion Adhesives

Hot Melt Adhesives

Methods of manufacture

22. Silicone Adhesives and Sealants

Introduction

Chemistry

Oxime silane

Properties

Rheological Characteristics

Thermal Stability

Weathering Characteristics

Adhesion Characteristics

Applications

Industrial

Construction

23. Tannin Adhesives

Introduction

Formulation

24. Terpene Based Adhesives

Introduction

Chemistry

Beta-pinene resins

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  
    25. Starch Adhesives  
    Introduction  
    Unmodified Starches  
    High Strength Adhesive  
    Cheap Diluted Adhesive  
    Non-weather Proof Corrugated Board Adhesive  
    Water Resistant Corrugated Paper Box Adhesive  
    Final Mixture  
    Acid Modified or Thin Boiling Starch Adhesive  
    Oxidised Starch Adhesives  
    Dextrin Based Adhesives  
    Properties  
    26. Acrylic Adhesives and Sealants  
    Polymerization  
    Solution Polymerization  
    Properties of the product  
    Emulsion polymerization  
    Properties of the dispersion  
    Properties  
    Formulations and Applications  
    Adhesives to paper coated with PVDC  
    Delayed tack adhesive  
    Adhesives for Laminating  
    Laminating Plasticized PVC film to textiles  
    Laminating PVC film to particle board  
    Laminating plasticized PVC film to split leather  
    High temperature & pressure lamination  
    Flocking Adhesives  
    Building Adhesives  
    Adhesives for plasticized PVC floor tiles  
    Adhesives for ceramic tiles  
    Pressure-Sensitive Adhesives  
    Flame Resistant & Pressure Sensitive Adhesive  
    Acrylic Sealants  
    Aqueous Acrylic Sealants

Solvent-Based Acrylic Sealants

27. Pressure Sensitive Adhesives

Adhesive Strip for Automotive Trim

Eva-Trialkyl Cyanurate Copolymer Adhesive

Carboxylate Polymer Based Adhesives

Fumaric Diester Vinyl Acetate Polymer

28. Hot melt Adhesives

Introduction

Advantages

Disadvantage

Formulations

Ethylene-vinyl Acetate

Amorphous polypropylene and Petroleum Resin

Isopropenyltoluene Copolymers as Tackifiers

Chlorinated Polyphenyl, Chlorinated

Polyisoprene and Nitroso Compound

Carpet Backing Formulation

Other Polyolefin Compositions

Amorphous Polyolefin and Styrene Butadiene

Block Copolymers

$\alpha$ -Methylstyrene Tert Butyl Styreneolefin terpolymers

Alkoxy styrene-Acrylonitrile, Copolymers

Boric Acid as Viscosity Stabiliser in Ethylene-

Propylene Adhesives

Thermoplastic Polymer and Chelate of Aminoacetic

Acid

Coal Tar Pitch and Ethylene-Acrylic-Acid Copolymer

Water-Moistenable Vinyl Pyrrolidone-Vinylacetate

Product

RESINS

1. Alkyd Resins

Introduction

Classification

Synthesis

Etherification

Addition reactions of unsaturated monobasic

fatty acids

Addition reactions with other unsaturated alkyd  
ingredients

Reactions during coating formation with drying

alkyds

Reactions during coating formation in alkyd blends

Raw materials

Manufacture

Health and Safety

Quality Control and Specifications

Analysis

Calculations

Uses

Use of Alkyds in Trade-Sales Finishes

Methods of Analysis

Determination of Composition

Chemical Methods

Determination of Properties and Impurities

2. Acrylic Modified Alkyd Resins

Traffic paints

Industrial applications

Conclusion

3. Alkyd-Amino Combinations Based on Neem Oil

Aim of present investigation

Uses of oils in surface coatings

Neem oil

Alkyd resins

Amino resins

Experiments & Results

Preparation of alkyd resin

Alkyd resin preparation

Preparation of amino resin

Testing of performances of resin samples

Discussion

Analysis of neem oil

Preparation of alkyd from neem oil

Preparation of urea formaldehyde resin

Preparation of thiourea formaldehyde resin

Preparation of various samples (mixtures)

Performances of various resin samples

Scratch hardness

Conclusion

4. Amino Resins

Introduction

Raw materials

Chemistry of resin formation

Typical resin formulations and techniques  
Urea formaldehyde resins  
High solids urea-formaldehyde adhesive resin  
Protective coating resin with high mineral spirits tolerance  
Methylated urea formaldehyde textile resins  
Urea-formaldehyde particle board adhesive  
Melamine-formaldehyde resins  
Butylated melamine protective coating resin  
Chlorine resistant melamine resin  
Trimethoxymethyl melamine  
Hexamethoxymethyl melamine  
Melamine resin molding powder  
Melamine resin acid colloid  
Control of the extent of the reaction  
Free formaldehyde estimation  
Viscosity tests  
Solubility tests  
Cure tests  
Urea versus melamine resins  
Package stability  
Competitive product analysis  
Chemical modification for water soluble products  
Chemical modification for oil soluble products  
Ethyleneurea  
Methylated uron textile resins  
Uron resins  
Glyoxal resins  
Miscellaneous resins  
Amino resins in the paper industry  
Formulations for regular and HE colloids  
Toxicity  
Methods of Analysis  
Competitive Product Analysis  
5. Carbohydrate Modified Phenol-formaldehyde Resins  
Introduction  
Research on Carbohydrate Modified Resins  
Carbohydrate-Modified Base-Catalyzed PF resins  
Bonding Veneer Panels  
Bonding Flakeboard Panels

Carbohydrate-Modified PF Resins Cured at  
Neutral Conditions

Bonding Veneer Panels

Color of Bondline

Conclusions

6. Epoxy Resins

Introduction

Synthesis of Resin Intermediates

Cycloaliphatic epoxies

Epoxidized polyolefins

Epoxidised oils and fatty acid esters

Aliphatic-cycloaliphatic glycidyl type resins

Epoxy novolac resins

Resins from phenols other than bisphenol A

Resins from aliphatic polyols

Resins from long chain acids

Fluorinated epoxy resins

Epoxy resins from methylepichlorohydrin

Miscellaneous epoxy resins

Epoxy esters

Water borne epoxy resins and derivatives

Diluents and modifiers

Epoxide reactions and curing mechanisms

Curing of epoxy esters

7. Photographs of Plant & Machinery with Supplier's Contact Details

## About Niir

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