

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

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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.

Contents

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
Novolac 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

Isoprenyltoluene Copolymers as Tackifiers

Chlorinated Polyphenyl, Chlorinated

Polyisoprene and Nitroso Compound

Carpet Backing Formulation
Other Polyolefin Compositions
Amorphous Polyolefin and Styrene Butadiene
Block Copolymers
a-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

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