Top Business Ideas of Profitable Manufacturing of Adhesives, Glues and Resins.

Adhesive Factory/Plant

Introduction

An adhesive or glue is a material, usually in a liquid or semi liquid state, that adheres or bonds items together. Adhesives come from either natural or synthetic sources. The types of materials that can be bonded are vast but they are especially useful for bonding thin materials. Adhesives cure (harden) by either evaporating a solvent or by chemical reactions that occur between two or more constituents. Animal glues are essentially high polymer proteins; these glues find application in a wide range of industrial uses. Fish glue as the name indicates, is obtained as the byproduct of the fish skin industry, was the first liquid glue that reached commercial importance and was forerunner of all household glues.

Resins are used in the manufacture of adhesives, paints and number of other products. Polyesters are thermosetting and thermoplastic resins for various applications. Due to high cost they are used with other resins for the application of adhesives. Polyamide resins used in adhesives can be divided into four used classes; thermoset adhesives, nylon epoxy adhesives, thermoset plastic adhesives and thermoplastic thermoset adhesives. The adhesives industry has found its place in many industries and will surely spread to many other fields. It is used in building, electrical, automobile, aircraft and aerospace industries. The future advancement and consumption are practically beyond mental comprehension.

Even today, as ones surroundings are observed, the use of adhesives, glues and resins are associated with almost every product that is marketed. While use of all adhesives has increased, the greatest gain has occurred in the synthetic resin category. The synthetic resin adhesive is the most important for packaging uses. Pressure sensitive adhesive is a fast growing segment of the industry. This field includes products designed for the industrial trade but which can, by minor modification, be marketed through the hardware dealer and variety store. Adhesives for this growing market range from the simplest glues and mucilage for furniture making and repair, to metal to metal bonding for frame construction.

Adhesives are the most adaptable bonding agents available in the market, which remained unaffected by the recent global slowdown due to their application in a wide variety of end-user industries. The major allied industries for adhesives include packaging, woodworking and construction industry. India adhesives market has recorded strong growth during the period FY'2010-FY'2015 and is expected to sustain its rapid growth during the next five years.

The adhesive industry was dominated by a few industrialized countries. Now, a significant portion of new demand is being generated by emerging countries such as China. The next major growth country could be India. Market fragmentation continues as new adhesive demand is generated from a supply and demand standpoint.

The demand growth is also supported by the emergence of new market applications that result from changing substrates and evolving assembly processes. Increasing use of adhesives in automotive manufacturing contributes to overall growth in the global adhesive resins market. The construction sector, automotive market, and medical adhesives market have all seen growth or resurgence that is contributing to a projected increase in the world-wide market for adhesive resins. Adhesives offer distinct advantages over mechanical fastening, sewing, and thermal bonding. Adhesives can bind diverse materials, distribute stress evenly across a joint and reduce cost. In addition, adhesive bonds are often more aesthetically pleasing and contribute to the value of consumer products.

Asia-Pacific is the biggest and the fastest growing region due to the growing demand for adhesive resins in India, China, Japan, South Korea, and Australia. North America is a matured market and is expected to grow with a CAGR till 2020. The adhesive resin market demand, in terms of value and volume, depicts the current and future projections according to the parallel economic and industrial outlook.

Some of the fundamentals of the book are glues of animal origin, fish glues, manufacture of animal glues, casein glues and adhesives, spray dried melamine formaldehyde resins, epoxy resin adhesives, specialty epoxy resins & derivatives, polychloroprene resin adhesives, phenolic resin adhesives, resorcinolic adhesives, ethylene copolymer hot melt adhesives, isocyanate adhesives, polyamide adhesives, rosin adhesives, silicone adhesives and sealants, applications in pressure sensitive adhesives, starch adhesives, acrylic adhesives and sealants, pressure sensitive adhesives, amorphous polypropylene and petroleum resin, alkyd resins, use of alkyds in trade sales finishes, etc.

The present book covers manufacturing aspects of various adhesives, glues and resins. This will be very helpful to new entrepreneurs, technocrats, technical institutes and existing units.

Table of Contents

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
Ã 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

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 Antomotive 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
Methylstyrene Tert Butyl Styreneolefin terpolymers
Alkoxystyrene-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
Toxcity
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. Hydrocarbon Resins

Types of Hydrocarbon Resins
Raw Materials
Properties of Hydrocarbon Resins
Methods of Manufacture
Commercial Resin Types and Specifications
Methods of Analysis
Analysis of Raw Materials
Determination of Chemical Properties
Determination of Physical Properties

8. Polyurethane Resins

Chemistry
Raw materials
Isocyanates
Tolylene diisocyanate (TDI)
4,4' diphenylmethane diisocyanate (MDI)
Hexamethylene diisocyanate (HDI)
Other diisocyanates used in coating systems
Hydroxy component
Hazards of isocyanates
Classification of polyurethanes
Urethane oils and urethane alkyds
Moisture-cured urethanes
Drying time
Catalysts
Solvents
Pigmentation
Additives

Film properties and uses
Typical formulations
Manufacture
Blocked isocyanate systems
Two-component catalyst-cured polyurethanes
Two-component polyol type polyurethanes

9. Phenolic Resins

The Chemistry of Phenolic Resins
The Structure of Phenolic Resins
Formation of phenol alcohols
Formation of methylene bridges
Formation of dibenzyl ethers
Formation of quinone methides
Raw Materials
Phenols
Aldehydes
Hexamethylenetetramine (HMTA)
Fillers for Phenolic Moulding Powders

Types of filler
Thermal Degradation
Modified and Thermal-resistance Resins
Etherification reactions
Esterification reactions
Heavy metal modified resins
Chemical Resistance
Resistance to microorganism
Oil Soluble Phenolic Resins
Composite Wood Material
Moulding Compounds
Heat and sound insulation materials
Industrial laminates and paper impregnation
Coatings
Foundry resins
Phenolic resin as ion-exchange resin
Abrasive materials
Friction materials
Phenolic resin in rubbers and adhesives

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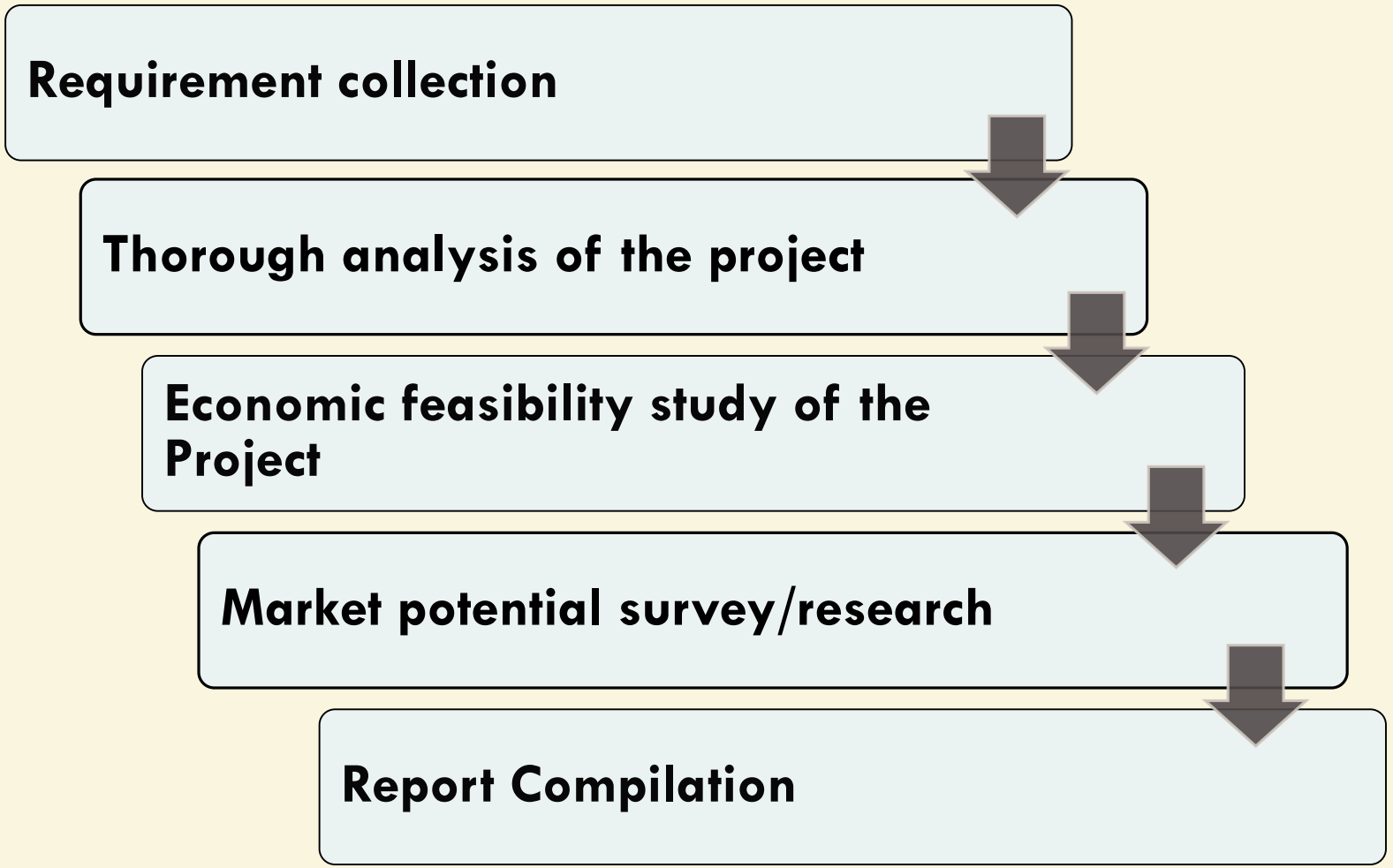

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- *Jute & Jute Based Products*
- *Leather And Leather Based Projects*
- *Leisure & Entertainment Based Projects*
- *Livestock Farming Of Birds & Animals*
- *Minerals And Minerals*
- *Maize Processing(Wet Milling) & Maize Based Projects*
- *Medical Plastics, Disposables Plastic Syringe, Blood Bags*
- *Organic Farming, Neem Products Etc.*

Sectors We Cover Cont...

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- *Paper And Paper Board, Paper Recycling Projects*
- *Printing Inks*
- *Packaging Based Projects*
- *Perfumes, Cosmetics And Flavours*
- *Power Generation Based Projects & Renewable Energy Based Projects*
- *Pharmaceuticals And Drugs*
- *Plantations, Farming And Cultivations*
- *Plastic Film, Plastic Waste And Plastic Compounds*
- *Plastic, PVC, PET, HDPE, LDPE Etc.*

Sectors We Cover Cont...

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- *Printing And Packaging*
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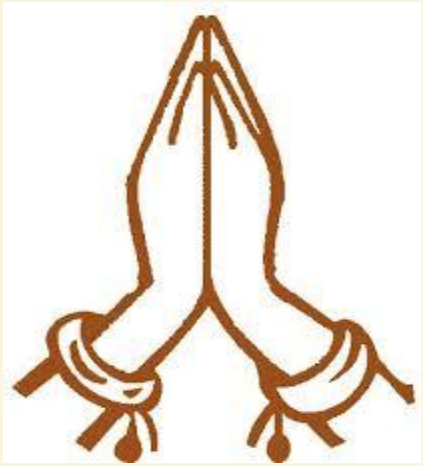

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