MODERN TECHNOLOGY OF TEXTILE AUXILIARY AND CHEMICALS WITH FORMULATIONS


B-CYCLODEXTRINS IN TEXTILES

- Preparation of B-CD and their complexes in free form
- General industrial applications of B-CD
- B-CD and textiles
- Fixation of B-CD onto textiles
- Newer fixation methods
- Characterisation and Quantification of bound beta-CD
- End applications of b-CD in the textile industry
- Textile processing
- Fragrance release
- Antimicrobial
- Others
- Characterisation and quantification of guest molecules
- Conclusions

TEXTILE AUXILIARY FORMULATIONS
TEXTILE FINISHING COMPOSITIONS AND PROCESSES

- Cross linking Agent
- Esterification Catalyst
- Additional Crosslinking Agents
- Non-Phosphorous Containing Polycarboxylic Acids
- Carboxylic Acids
- Finishing Bath
- Wetting Agents
- Softening Agents
- Dye Fixing Agents
- Chlorine Scavengers
- Stain Repelency Agents
- Anti Abrasion Additives
- Antibacterial Agents
- Hydrophilic Finishes
- Brighteners
- Minimization of Colour Body Forming Transition Metals
- Textiles/Fabrics
- Process
- Pre-Cure
- Post-Cure
- Post Garment Treatment
- Textile Pre-Treatment
- Post Washing
- Durable Press Resin
- Benefits
- Durable Press
- Tensile Strength Retention
- Anti Shrinkage/Dimensional Stability
- Tear Strength Retention
- In-Wear Wrinkle Resistance
- Hand Feel
- Anti-Abrasion/Abrasion Resistance
- Anti-Yellowing/Whiteness Appearance
- Colorfastness/Color Retention for Laundering
- Crocking
- Durable Crease Retention
- Reduced Drying Time

PROCESS FOR FINISHING TEXTILES

- Moist Cure with a DMeDHEU Based Crosslinker

CARBAMATE MELAMINE TEXTILE FINISH

- Preparation of Polymethylol Hydroxyethyl Carbamate
- Preparation of Methylated Highly Methylolated Melamine

SYNERGLSTIC ANTI MICROBIAL TEXTILE FINISH

TEXTILE FINISHES OF SILICONE
LUBRICANT FINISH FOR TEXTILES

- Composition A, B,C,D,E

HYDROPHILIC FINISH FOR TEXTILES

- Preparation of Styrene Maleic Anhydride Graft Copolymer Using Solvent
- Solventless Method for Preparing Styrene Maleic Anhydride Graft Copolymer

FLUORINE EFFICIENT FINISHES FOR TEXTILES

- Test Methods
- Fabric Treatment
- Water Repellency
- Water Repellency Spray Rating
- Oil Repellency
- Laundering Procedure

OIL REPELLENT TEXTILE FINISH

FLAME RETARDANT FINISH FOR CELLULOSIC TEXTILE MATERIALS

- Preparation of Tris(Hydroxymethyl) Phosphine
- Reaction Product of Tris (Hydroxymethyl) Phosphine Melamine and Formaldehyde
- Methylated Reaction Product of Tris (Hydroxymethyl) Phosphine Melamine and Formaldehyde
- Reaction Product of Tris (Hydroxymethyl) Phosphine Melamine and Formaldehyde

AQUEOUS TEXTILE FINISH

PROCESS FOR PROVIDING SYNTHETIC TEXTILE FABRICS WITH AN ANTISTATIC FINISH

ABRASION AND WRINKLE RESISTANT FINISH FOR TEXTILES

- Preparation of Resin Reactive Modifier Solution
- Application of Durable Press/Softener Preparation to 100% Cotton, and Physical
- Characterization

INSECT REPELLENT FINISHES

- Insect Repellents
- Microcapsules
- Gel Formers
- Cationic Polymers
- Oil Phase
- Anionic Polymers
- Emulsifiers
- Production Process for Microcapsules
- Binders
- Polymeric Melamine Compounds
- Polymeric Glyoxal Compounds
- Polymeric Silicone Compounds
- Epichlorohydrin Crosslinked Polyamidoamines
• Poly(meth)acrylates
• Quantities Used
• Commercial Applications
• Application Processes
• Efficiency Tests
• Washing Resistance

WASH-AND WEAR FINISHING OF TEXTILES

• Spin Finish

SOIL RESISTANT SPIN FINISH FOR POLYAMIDE TEXTILE YARN

METALLIZED TEXTILE

• Acaricide
• Bactericide and Fungicide

CELLULOSIC TEXTILE FINISH WITH 1,3-DIMETHYLOL4-5DIHYDROXY-2-IMIDAZOLIDINONE, ZINC NITRATE AND A SEQUESTERING AGENT

PROCESSES FOR GENERATING HALAMINE COMPOUNDS ON TEXTILE SUBSTRATES TO PRODUCE ANTIMICROBIAL FINISH

• Textile Substrates
• Hindered Amine to Halamine Reaction
• Hindered Amine Compounds
• Methods to Produce Halamine Finish on Textile Substrate
• Measurement of Active Chlorine Present on Examle Fabrics

TECHNICAL TEXTILES

• Agrotextiles
• products
• Screen
• Bird Protection Net
• Plant net
• Harvesting nets
• Root ball Net
• Truf Protection Net
• Mulch Mat
• Nets for Covering Pallets
• Packing Materials for Agricultural Products
• Automotive Textiles
• Car interiors
• Seat Belt
• Air Bags
• Carpets
• Tyre Cord Fabrics
• Application Fibres used
• Smart Textiles
• Shape Memory Materials
• Temperature Sensitive Fabric
• Ultra Smart Textiles
• Spacessuits
• Musical Jackets
• Intelligent Wear (1-Wear)
• Data wear
• Smart Clothes
• Sports Jacket
• Wearable Computer
• Medical Textiles
• Implantable Medical Textiles
• Non implantable materials
• Primary Wound Dressings
• Absorbent
• Bandages
• Protective eye pad
• Adhesive tapes
• Extra Corporeat Devices
• Artificial Kidney
• Artificial Liver
• Artificial heart
• Mechanical Lung
• Products used for Medical Surgical Dressings
• Bandages
• Plaster
• Geotextiles
• Uses of Geo Textiles
• Filtration
• Geotextile in roads
• Advantages
• Drainage
• Erosion Control
• Other benefits include
• Rockfall Protection
• Solution
• Coastal Protection Gabions
• Solution
• Advantages of Polymer Gabions
• Protective Textiles
• Protective Clothing Compilation
• Extreme Cold
• Ballistic Protective Materials
• Chemical Protection
• Biological Protection
• Advanced Eod Bomb suit and helmet
• NBC Lightweight Overboot
• Heat Protective
• Conclusion

TEXTILE FORMULATIONS

• Saturating the fabric with the solution at 160 Deg F
• Saturate the fabric following desize solution at 140 Deg F
• The typical scouring process
• Saturate the fabric with the solution at 180 Deg

**FLAME RETARDANTS FOR TEXTILES**

• Recipes

**CHLORINATED AND BROMOCHLORINATED PARAFFINS AS FLAME RETARDANTS FOR FABRICS**

• Suggested Starting Formulations
• Typical Coating Formulations
• Paper to Textile
• Pressure Sensitive Labels
• Rubber/Resin Formula
• Permanent, Rubber/Resin Formula
• Properties
• Polyvinyl Isobutyl Ether Formula
• Vinyl Isobutyl Ether Formula
• Water Soluble, Vinyl Ether/Resin Formula
• Peelable, Acrylic Resin Formulae
• Removable, Acrylic Resin Formula
• Water Removable, Acrylic Resin Formula

**TEXTILE SIZING**

**PIGMENT INK FORMULATION**

• Inkjet Inks Formulation
• Textile Inks Water based
• Colour Yield of an Ink Jet Printed Cotton Fabric
• Ink Jet Textile Printing
• Formulations (1-20)

**LIST OF FORMULATIONS OF PRINTING INK**

• Lemon Yellow Printing Ink
• Jobbing Black Ink
• Colour Ink (Blue)
• Super Gloss Ink (Blue)
• Medium Quality Prints (Blue)
• Cheap Quality Black Ink

**PROPERTIES AND APPLICATION OF THE FORMULATIONS**

• Synthesis of a carbonylfunctional binder emulsion and a control emulsion
• Synthesis of a carbonyl functional binder emulsion
• Preparation of the seed latex
• Preparation of the DAAM latex (WEBM011)
• Synthesis of a control binder emulsion Preparation of the DAAM free latex (WEBM016)