

Defining Quality Since Last **30** *Years.*



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RESINS & TERPENES

Alkyds, Synthetic Resins & more...



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We are pleased to introduce ourselves as one of the leading Organizations for Synthetic Resins like Alkyds, Modified Maleics, Phenolics, Estergums and other Resins. We have our Manufacturing activities based at Calcutta since last 40 Years. We cater to the South Indian Market through our Chennai Office & Stocking Depots since last 30 Years. We are catering to the requirements of our valued customers throughout India with reputation about standard quality product, Prompt delivery on Competitively Fair prices.

We are Committed to Maximize Customer Satisfaction by Understanding The Customer's Needs and Providing Good Quality Products & Services Consistently. In order to Keep a Close Scrutiny on Our Quality Control & Management Performance we have acquired the ISO-9001-2008 Certification.

We have always followed a Systematic Procedure for constantly improving our response towards a Customer's Technical Demands. Our Technical Team not only Develops Customized Products to Help the end products Perform better but also works with Our Customers to ensure that their end product parameters are met.

To continuously add value to our customers' End-Products, it is our endeavor to constantly Innovate new range of Products with Enhanced Performance. Our Continuous focus on Investment in Our Research & Development Department and State of Art Laboratory Arrangements has helped us become a "Nil Rejection" Company.

We Customize products to satisfy our Customer's needs and modify our products to meet your parameters. We herewith enclose Technical Specifications of our Products for your Information.

Long Oil Alkyds

<u>Product Code</u>	<u>Oil/Fatty Acid Type</u>	<u>Oil Length % (Approx)</u>	<u>Polyol Type</u>	<u>Non Volatile %</u>	<u>Solvent</u>	<u>Acid Value mg/KOH/gm</u>	<u>Viscosity Sec/B4/30?</u>
NH-101	Linseed	62 %	Penta	99 ± 1	M.T.O	12 Max	140-160(50% M.T.O)
<u>Use: Printing Inks, High Gloss Air Drying Finishes & Insulating Varnishes.</u>							
NH-102	Linseed	63%	Penta	70 ± 1	M.T.O	6 Max	130-150 (50% M.T.O)
<u>Use: Premium Decorative Finishes With Good Brushability & Anti-Corrosive Primers.</u>							
NH-103	Linseed	64 %	Penta	60 ± 1	M.T.O	12 Max	180-200 (50% M.T.O)
<u>Use: Economical Primers & Decorative Finishes.</u>							
NH-105	Soya	62%	Penta	70±1	M.T.O	12 Max	180-200 (50% M.T.O)
<u>Use: High Gloss Non-Yellowing Synthetic Enamels & Printing Inks.</u>							
NH-108	DCO	61%	Penta/Gly	70 ± 1	M.T.O	6 Max	140-160 (50% M.T.O)
<u>Use: White Shades, Non-Yellowing Enamel Finishes& Tin Printing Ink.</u>							



Medium Oil Alkyds

<u>Product Code</u>	<u>Oil/Fatty Acid Type</u>	<u>Oil Length % (Approx)</u>	<u>Polyol Type</u>	<u>Non Volatile %</u>	<u>Solvent</u>	<u>Acid Value mg/KOH/gm</u>	<u>Viscosity Sec/B4/30?</u>
NH-201	Linseed	48%	Penta	70 ± 1	M.T.O	16 Max	180-200 (40% M.T.O)
<u>Use: Economical Primers & Undercoats.</u>							
NH-205	DCO	49%	Penta	50 ± 1	M.T.O	18 Max	160-180 (40% M.T.O)
<u>Use: Economical Air Drying/Decorative Enamels.</u>							
NH-206	Soya	50%	Penta	50 ± 1	M.T.O	16 Max	160-180 (40% M.T.O)
<u>Use: General Utility enamels / White Finishes.</u>							
NH-209	Linseed	49%	Penta/Gly	50 ± 1	M.T.O	20 Max	180-200 (40% M.T.O)
<u>Use: Decorative Enamels & General Purpose Industrial Paints.</u>							

Short Oil Alkyds

<u>Product Code</u>	<u>Oil/Fatty Acid Type</u>	<u>Oil Length % (Approx)</u>	<u>Polyol Type</u>	<u>Non Volatile %</u>	<u>Solvent</u>	<u>Acid Value mg/KOH/gm</u>	<u>Viscosity Sec/B4/30?</u>
NH-301	CNO	32%	Gly	60 ± 1	Xylene	20 Max	225-300 (50% Xylene)
<u>Use: NC Lacquers & Stoving White Finishes</u>							
NH-302	DCO	42%	Gly	50 ± 1	Xylene	20 Max	150-170 (50% Xylene)
<u>Use: NC Paints, Lacquers, Primers, Stoving Enamels & Primers.</u>							
NH-303	Soya	36%	Gly	50 ± 1	Xylene	22 Max	90-110 (40% Xylene)
<u>Use: White Stoving/Air Drying Finishes, Industrial Enamels With Good Hardness & Flexibility.</u>							

Modified Alkyds

<u>Product Code</u>	<u>Oil/Fatty Acid Type</u>	<u>Oil Length % (Approx)</u>	<u>Polyol Type</u>	<u>Non Volatile %</u>	<u>Solvent</u>	<u>Acid Value mg/KOH/gm</u>	<u>Viscosity Sec/B4/30?</u>
NH-401	Linseed	42%	Gly	50 ± 1	M.T.O	16 Max	160-180 (40% M.T.O)
<u>Modification: ROSIN</u> <u>Use: Economical Air Drying Finishes, Primers & Undercoats.</u>							
NH-403	Linseed	43%	Penta	70 ± 1	M.T.O	16 Max	160-180 (40% M.T.O)
<u>Modification: ROSIN</u> <u>Use: Glossy Air Drying Finishes & Industrial Enamels.</u>							
NH-404	Mix	37%	Penta/Gly	70 ± 1	C9	20 Max	110-130 (70% C9)
<u>Modification: ROSIN</u> <u>Use: Air Drying / Stoving Industrial Finishes, Multipurpose Resin for High Gloss Applications.</u>							
NH-406	DCO	38%	Penta	70 ± 1	M.T.O	20 Max	160-180 (40% M.T.O)
<u>Modification: ROSIN</u> <u>Use: Decorative Enamels & High Gloss Air Drying Finishes.</u>							
NH-450	Soya	53%	Penta	70 ± 1	Xylene	14 Max	40-50 (50% Xylene)
<u>Modification: Silicon</u> <u>Use: Glossy Air Drying Industrial Finishes & Decorative Enamels.</u>							



Chain Stopped Alkyds

<u>Product Code</u>	<u>Oil/Fatty Acid Type</u>	<u>Oil Length % (Approx)</u>	<u>Polyol Type</u>	<u>Non Volatile %</u>	<u>Solvent</u>	<u>Acid Value mg/KOH/gm</u>	<u>Viscosity Sec/B4/30?</u>
NH-501	Soya	36%	Penta	70 ± 1	Xylene	16 Max	150-160 (50% Xylene)
<u>Use: Quick Drying Glossy Finishes With Good Adhesion. (Not Compatible with Aliphatic Solvents)</u>							
NH-502	Soya	42%	Penta	70 ± 1	Xylene	12 Max	100-120 (50% Xylene)
<u>Use: Fast Drying Enamels With Good Colour Retentive Properties. (Compatible With Aliphatic Solvents)</u>							
NH-303	Soya	36%	Mix	50 ± 1	Xylene	22Max	90-110 (40% Xylene)
<u>Use: White Stoving/Air Drying Finishes, Industrial Enamels With Good Hardness & Flexibility.</u>							
NH-505	Mix	38%	Penta	70 ± 1	Xylene	18 Max	120-140 (50% Xylene)
<u>Use: Fast Air Drying Automobile Finishes With Aliphatic Solvent Compatibility Upto 1:4.</u>							

Furniture Mediums

<u>Product Code</u>	<u>Oil/Fatty Acid Type</u>	<u>Oil Length % (Approx)</u>	<u>Polyol Type</u>	<u>Non Volatile %</u>	<u>Solvent</u>	<u>Acid Value mg/KOH/gm</u>	<u>Viscosity Sec/B4/30?</u>
NH-601	Linseed	42%	Penta	50 ± 1	M.T.O	15 Max	90-110 (50% M.T.O)
<u>Use: Economic Furniture Enamels & Glossy Finishes.</u>							
NH-602	Linseed	40%	Penta	70 ± 1	Xylene	18 Max	60-70 (40% Xylene)
<u>Use: Fast Drying Glossy Furniture & Industrial Enamels.</u>							
NH-603	Linseed	32%	Penta	70 ± 1	Xylene/ Toluene	20 Max	40-50 (50% Toluene)
<u>Use: Very Quick Drying Hammer Finishes With Excellent Gloss.</u>							
NH-604	Linseed	40%	Penta	65 ± 1	M.T.O	18 Max	60-70 (40% M.T.O)
<u>Use: Economical Glossy Furniture & Industrial Finishes.</u>							

Rosin Modified Maleic Resins

<u>Product Code</u>	<u>Description</u>	<u>Melting Point</u> (Ball & Ring)	<u>Non-Volatile %</u>	<u>Solvent</u>	<u>Acid Value</u> mg/KOH/gm	<u>Viscosity</u> Sec/B4/30?
NH-701	Rosin Modified Maleic Resin Esterified With Pentaerythritol	140 ± 5	100 (Solid)	-	22 Max	180-200 (50% M.T.O)
<u>Use: Varnishes, High Gloss Enamels, Hammer Finishes& Printing Ink.</u>						
NH-702	Rosin Modified Maleic Resin Esterified With Pentaerythritol	140 ± 5	100 (Solid)	-	20 Max	350-400 (50% M.T.O)
<u>Use: Varnishes, High Gloss Finishes With Good Hardness, Hammer Finishes, Printing Ink & NC Lacquers.</u>						
NH-704	Rosin Modified Maleic Resin Partly Esterified With Penta	140 ± 5	100 (Solid)	-	120-140	20-25 (50% Spirit)
<u>Use: High Gloss Paper Varnishes, Printing Inks & Map Varnishes.</u>						
NH-705	Rosin Modified Maleic Resin Partly Esterified With Glycerine	120 ± 5	100 (Solid)	-	120-140	15-20 (50% Spirit)
<u>Use: Spirit Soluble Varnishes, French Polish , NC Lacquers & Ball Point Ink.</u>						
NH-706	Rosin Modified Maleic Resin Esterified With Pentaerythritol	25-30%	50 ± 1	M.T.O	20Max	300-400 (50% M.T.O)
<u>Use: High Gloss Enamels & Industrial Finishes.</u>						
NH-707	Rosin Modified Maleic Resin Esterified With Pentaerythritol	25-30%	70 ± 1	M.T.O	20 Max	100-120 (50% M.T.O)
<u>Use: Glossy Finishes With Good Hardness & Industrial Applications.</u>						

Gloss Enhancer

<u>Product Code</u>	<u>Polyol Type</u>	<u>Non Volatile %</u>	<u>Solvent</u>	<u>Acid Value</u> mg/KOH/gm	<u>Viscosity</u> Sec/B4/30?
NH-806	Penta	60 ± 1	Xylene	18 Max	120-140 (As Supplied)

Rosin Modified Phenolic Resins

<u>Product Code</u>	<u>Description</u>	<u>Melting Point</u> (Ball & Ring)	<u>Non-Volatile %</u>	<u>Solvent</u>	<u>Acid Value</u> mg/KOH/gm	<u>Viscosity</u> Sec/B4/30?
NH-801	Rosin Modified Phenol Formaldehyde Esterified With Pentaerythritol	165± 5	100 (Solid)	-	20Max	40-50 (50% Toluene)
<u>Use: Printing Ink, Offset Ink, Insulating Varnishes & High Gloss Industrial Enamels.</u>						
NH-802	Rosin Modified Phenol Formaldehyde Esterified With Pentaerythritol	155 ± 5	100 (Solid)	-	20 Max	60-70 (50% Toluene)
<u>Use: Lithographic Inks & High Abrasion Resistant Films.</u>						
NH-803	Rosin Modified Phenol Formaldehyde Esterified With Pentaerythritol	130 ± 5	100 (Solid)	-	20 Max	15-20 (50% Toluene)
<u>Use: Printing Ink & High Gloss Paints With Infinite Aliphatic Tolerance.</u>						
NH-805	Rosin Modified Phenol Formaldehyde Esterified With Pentaerythritol	-	50 ± 1	M.T.O	20 Max	80-100 (50% M.T.O)
<u>Use: Printing Ink, Insulating Varnishes % High Gloss Industrial Finishes.</u>						

Rosin Esters

<u>Product Code</u>	<u>Description</u>	<u>Melting Point</u> (Ball & Ring)	<u>Non-Volatile %</u>	<u>Solvent</u>	<u>Acid Value</u> mg/KOH/gm	<u>Viscosity</u> Sec/B4/30?
NH-901	Rosin Ester Esterified With Food Grade Glycerine	95± 5	100 (Solid)	-	5Max	14-20 (50% M.T.O)
<u>Use: Chewing Gums, Confectionary & Soft Drinks.</u>						
NH-902	Rosin Ester Esterified With Pentaerythritol	105 ± 5	100 (Solid)	-	12Max	15-20 (50% M.T.O)
<u>Use: Aluminium Paint Medium, Gloss Booster For Economical Enamels & Decorative Finishes.</u>						
NH-904	Aluminium Medium	-	40 ± 1	M.T.O	8 Max	10-15 (40% M.T.O)
<u>Use: Ready-Mix Medium For Aluminium Paints.</u>						

Fortified Rosin Size

<u>Product Code</u>	<u>Description</u>	<u>Appearance</u>	<u>pH Value</u>	<u>Specific Gravity @ 30°C</u>	<u>Total Solids (%)</u>	<u>Charge</u>
NH-990	Rosin Adduct with Diabasic Acid	Brownish/Yellow Liquid	9-10	1.15	50	Anionic
<u>Use: This Product is commonly used in very Effective Paper Sizing. Increases the Quality & Life of Papers.</u>						

Lime Rosin Varnish

<u>Product Code</u>	<u>Description</u>	<u>Melting Point (Ball & Ring)</u>	<u>Non-Volatile %</u>	<u>Solvent</u>	<u>Acid Value mg/KOH/gm</u>	<u>Viscosity Sec/B4/30°</u>
NH-1001	Calcium Rosinate	135 ± 5	100 (Solid)	-	60 Max	100-120 (60% M.T.O)
<u>Use:Varnish, Economical Decorative Enamels.</u>						
NH-1002	Lime Rosin Varnish	-	60 ± 1	M.T.O	60Max	140-160 (60% M.T.O)
<u>Use:Varnish, Economical Multipurpose Enamels.</u>						
NH-1003	Lime Rosin Varnish	-	55 ± 1	M.T.O	60 Max	100-120 (55% M.T.O)
<u>Use:Varnish, Economical Multipurpose Finishes.</u>						





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