

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>							

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>						



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>						

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)