



60 Fourth Street • Somerville, NJ 08876
908.707.0232 • Fax 908.707.0186 • www.phoenix-chem.com

Pelemol Esters

Characteristics & Applications

Non-Warranty. All information contained herein is intended primarily to demonstrate the utility of PHOENIX products. We assume no liability in the presentation of this data, nor should this information be construed as granting license to practice any methods or compositions of matter covered by U.S. or foreign patents.

Pelemol Characteristics & Applications

PRODUCTS		CHARACTERISTICS											APPLICATIONS										
Tradenames	INCI Names	Appearance	% Use Level	Sunscreen Solubilizer	Pigment Wetting	Vegetable Derived	Light / Dry Emollients	Cushion	Occlusive Substantive	Gloss / Matte	Emulsifiers Stabilizers	Solvents	Hydrolysis Resistant	Lipsticks	Skin	Sunscreens	Foundation Make-Up	Eye Make-Up	Hair Products	Bath / Cleansers	Anti Perspirant	Nail Polish	REACH Compliant
Pelemol BB	Behenyl Behenate	Solid	1-5			●		● rich feel		● matte	● stabilizer			●	●						●		●
Pelemol BIP-PC	Butylphthalimide & Isopropylphthalimide	Liquid	1-10	● organic filters											●	●	●					● plasticizer	●
Pelemol C25EH	C12-15 Alkyl Ethylhexanoate	Liquid	1-10				●						●		●								●
Pelemol CA	Cetyl Acetate	Solid	2-5				●								●								●
Pelemol D-2000	PPG-26 Dimer Dilinoleate Copolymer	Liquid	1-5						● very substantive	● gloss				●	●		●						●
Pelemol 89	Ethylhexyl Isononanoate	Liquid	2-10				●						●	●	●		●				●		●
Pelemol 168	Cetyl Ethylhexanoate	Liquid	2-10				● very light						●	●	●		●						●
Pelemol 256	C12-15 Alkyl Benzoate	Liquid	2-10	● organic filters	●							●		●	●		●					● plasticizer	●
Pelemol 899	Isononyl Isononanoate & Ethylhexyl Isononanoate	Liquid	2-10	● organic filters			●	● light cushion						●	●		●						●
Pelemol 3G22	Polyglyceryl-3 Behenate	Solid	2-5			● 100%				● matte	● water in oil				●	●				●			●
Pelemol 6 GPR	Polyglyceryl-6 Polyricinoleate	Liquid	2-10		●	● 100%			● substantive					●	●		●						●
Pelemol D3GP	Dimer Dilinoleyl Dimer Dilinoleate & Propanediol Dicaprylate/ caprylate Poyglyceyl-3 Behenate	Paste	2-8			● 100%			● substantive	● gloss				●	●		●						●
Pelemol D5R1	Ethylhexyl Isononanoate & Cetyl Dimethicone	Liquid	2-8					●		● gloss				●	●		●						●
Pelemol D5R-V	Propanediol Dicaprylate/caprates & Diisostearyl Malate	Liquid	2-8			● 100%		●		● gloss				●	●		●				●		●
Pelemol D899	PPG-26 Dimer Dilinoleate Copolymer & Isononyl Isononanoate & Ethylhexyl Isononanoate	Liquid	1-10					●	●	● gloss				●	●		●						●
Pelemol DD	Dimer Dilinoleyl Dimer Dilinoleate	Liquid	2-8			● 100%			● substantive	● gloss				●	●			●	● conditioning				●
Pelemol DIPS	Diisopropyl Sebacate	Liquid	1-10											●	●		● make-up				●		●
Pelemol DISA	Diisostearyl Adipate		1-10				●							●	●		●						●
Pelemol DISD	Diisostearyl Dimer Dilinoleate	Liquid	1-10			● 100%			extreme emolliency					●	●		●	●					●
Pelemol DISM	Diisostearyl Malate	Liquid	1-10				●	● silky	●					●	●								●
Pelemol DOA	Diethylhexyl Adipate	Liquid	1-10										●	●									Not Compliant
Pelemol DO	Decyl Oleate	Liquid	2-10			● 100%		●	●	● gloss		● for hair dyes		●	●								●
Pelemol DP-72	Dipentaerythrityl Tetrahydroxystearate/ Isostearate	Paste	1-10						● very substantive	● gloss				●	●	● Film Former	● mascara						●
Pelemol DP-144B	Dipentaerythrityl Tetrabenenate/polyhydroxystearate - lanolin substitute	Paste	5-10					●	● very substantive	● gloss				●	●		● mascara						●
Pelemol EE	Octyldodecyl Erucate	Liquid	2-10			● 100%	●							●	●		●						●
Pelemol G7A	Glyceryl-7 Triacetate	Liquid	1-5	● organic filters			● silky					● water soluble		●	●		●						●
Pelemol GMB	Glyceryl Behenate	Flake	2-10							● matte	● low HLB-w/o			●	●		●						●
Pelemol GMR	Glyceryl Ricinoleate	Liquid	2-5								●			●	●								●
Pelemol GTAR	Glyceryl Triacetyl Ricinoleate	Liquid	1-20		●	●		● lubricious		● gloss				●	●		● make-up						●
Pelemol GTB	Tribehenin	Granule	1-5			● 100%				● matte	● stabilizer			●	●		●						●
Pelemol GTHS	Trihydroxystearin	Powder	1-5							● matte	● thickening agent			●	●		● mascara				●		●
Pelemol GTIS	Triisostearin	Liquid	2-8					●	● lubricious	● gloss			●	●	●								●

PRODUCTS		CHARACTERISTICS											APPLICATIONS										
Tradenames	INCI Names	Appearance	% Use Level	Sunscreen Solubilizer	Pigment Wetting	Vegetable Derived	Light / Dry Emollients	Cushion	Occlusive Substantive	Gloss / Matte	Emulsifiers Stabilizers	Solvents	Hydrolysis Resistant	Lipsticks	Skin	Sunscreens	Foundation Make-Up	Eye Make-Up	Hair Products	Bath / Cleansers	Anti Perspirant	Nail Polish	REACH Compliant
Pelemol GTO	Triethylhexanoin	Liquid	3-10				●	● light cushion	●				●	●	●		●						●
Pelemol ICB	Isocetyl Behenate	Liquid	2-10											●	●		●						●
Pelemol II	Isostearyl Isostearate	Liquid	2-10			● 100%									●		● color cosmetics						●
Pelemol IN-2	Isononyl Isononanoate	Liquid	2-15	● organic filters			●		● lubricious				●	●	●		●				●		●
Pelemol ISB	Isostearyl Behenate	Paste	2-10			●			●					●	●		●				●		●
Pelemol ISHS	Isostearyl Hydroxystearate	Paste	5-20							● gloss				●	●		● color cosmetics						●
Pelemol ISNP	Isostearyl Neopentanoate	Liquid	1-10				● good rub-in		● lubricious				●	●	●		●	●					●
Pelemol JEC	Triisostearin/Glyceryl Behenate	Soft Paste	1-10			● 100%								●	●		●				●		●
Pelemol MAR	Methyl Acetyl Ricinoleate	Liquid	1-10				●							●	●								Not Compliant
Pelemol NPGDD	Neopentylglycol/Dicaprylate/Dicaprylate	Liquid	1-10				●							●	●								●
Pelemol NGDO	Neopentylglycol Diethylhexanoate	Liquid	1-10						● non-oily			●		●	●			● removers				●	●
Pelemol ODR	Octyldodecyl Ricinoleate	Liquid	5-10					● lubricious						●	●		● color cosmetics						●
Pelemol OL	Oleyl Lactate (alpha hydroxy acid ester)	Liquid	2-10			● 100%	● silky							●	●		●		● shine, comb				●
Pelemol OPG	Ethylhexyl Pelargonate	Liquid	2-10				● very dry		●					●	●								Not Compliant
Pelemol P3D	Dilinoic Acid/Propanediol Copolymer	Liquid	2-10			● 100%				● gloss				●	●		●						●
Pelemol P-49	Pentaerythrityl Tetraisononanoate	Liquid	2-10											●	●								●
Pelemol P-810	Propanediol Dicaprylate/Caprates	Liquid	2-15	● organic filters		● 100%	● ultra light							●	●		●		●		●		●
Pelemol P-1263	Polyglyceryl-10 Hexaoleate & Polyglyceryl-6 Poyricinoleate	Liquid	2-6			●			●		● water in oil			●	●		●						●
Pelemol PHS-8	Polyhydroxystearic Acid	Liquid	5-15		●	●				● gloss				●	●		●						●
Pelemol PTIS	Pentaerythrityl Tetraisostearate	Liquid	5-15					●	● substantive	● gloss				●	●		● color cosmetics						●
Pelemol PTL	Pentaerythrityl Tetralaurate	Soft Solid	2-10					● lubricious						●	●			●					●
Pelemol PTO	Pentaerythrityl Tetraethylhexanoate	Liquid	2-15					● lubricious						●	●		●						●
Pelemol SPO	Cetearyl Ethylhexanoate (synthetic purcellin oil)	Liquid	2-15				●							●	●		●						●
Pelemol TDE	Tridecyl Erucate (replacement light mineral oil)	Liquid	2-15				● light oily feel		●				●	●	●		●						Not Compliant
Pelemol TGC	Trioctyldodecyl Citrate	Viscous liquid	2-15		●			●	● lubricious	● gloss				●	●		● foundation		●				●
Pelemol TMPIS	Trimethylolpropane Triisostearate	Liquid	2-8					● superior					●	●	●		●						●
Pelemol TMPO	Trimethylolpropane Triethylhexanoate	Liquid	5-15				med-light							●	●		●						●
Pelemol TT	Tribehenin & Caprylic/ Capric Triglyceride (mimic shea butter)	Solid	2-10			● 100%		● lubricious	● substantive					●	●		●						●
Pelemol VL	Dimer Dilinoleyl Dimer Dilinoleate & Triisostearin (replacement for lanolin oil)	Liquid	2-10			● 100%		● lubricious						●	●								●
Phenomulse 100	Polyhydroxystearic Acid & Isononyl Isononanoate & Ethylhexyl Isononanoate & Sodium Cocamidopropyl PG Dimonium Chloride Phosphate	Liquid	5-20								● Emulsifier System			●	●		●						●