

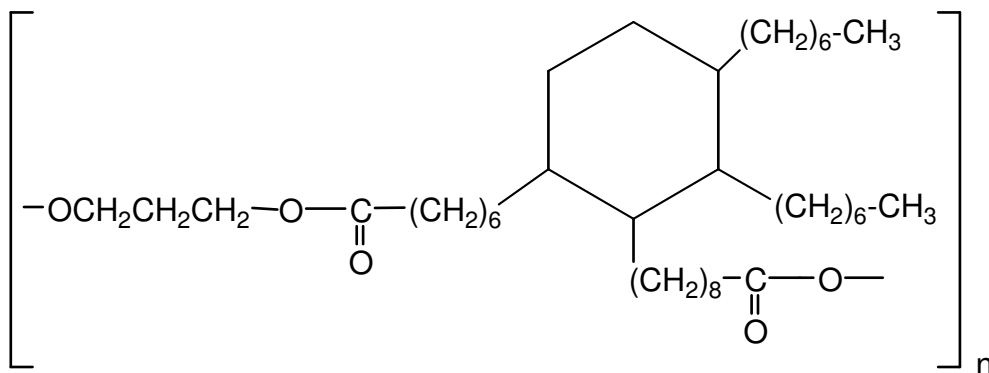
## **PELEMOL® P3D**

INCI: Polypropanediol Dimer Dilinoleate

**PELEMOL® P3D** is a 100% vegetable polyester derived from 1,3 propanediol and dimer dilinoleic acid. It is 100% active, slightly yellow, pourable liquid. **PELEMOL® P3D** is slightly tacky, substantive, glossy and has no taste or odor.

Its solubility in castor oil make it and esters make it an ideal ester for lipsticks, lip balms and other lip products. Additionally, **PELEMOL® P3D's** insolubility in water and alcohol contributes to long wear properties in leg make-up and sunscreen products.

**PELEMOL® P3D** can be structurally described as:



TRADE NAME	<b>PELEMOL® P3D</b>
INCI NAME	Polypropanediol Dimer Dilinoleate
CAS#	1110650-80-0

## SPECIFICATIONS

<b>PELEMOL® P3D</b>	
Appearance @ 25°C	Clear Liquid
Color, Gardner	3 Maximum
Acid Value	35 Maximum
SAP Value	165 – 185

## SOLUBILITY

<b>PELEMOL® P3D</b>	
Water	i
Propylene Glycol	d
Ethanol 200 Proof	i
Ethanol 190 Proof	i
Mineral Oil	m
Isododecane	m
Isopropyl Myristate	m
Castor Oil	m
Cyclomethicone	i
Dimethicone	i
Isononyl Isononanoate	m
Pentaerythrityl Tetraethylhexanoate	m

i = insoluble  
d = dispersible  
m = miscible

## SAFETY

*An RIPT study (50 human subjects) has provided very favorable results for <b>PELEMOL P3D</b> .	
*Skin Irritation	NON-PRIMARY SKIN IRRITANT
*Skin Sensitization	NON-PRIMARY SKIN SENSITIZER
<b>PELEMOL P3D</b> can be described as hypoallergenic.	

\* Studies conducted by AMA Labs. , 216 Congers Rd., New City, NY 10956.

Rev. 5/5/09  
Rev. 1/27/09  
Created: 12/12/08