

## **PELEMOL<sup>®</sup> P-810**

(INCI: Propanediol Dicaprylate/Caprate)

**PELEMOL<sup>®</sup> P-810** is the diester formed by the reaction of 1,3-propanediol and caprylic/capric acids. It is a 100% active, easily pourable, clear, water-white, virtually odorless liquid. **PELEMOL<sup>®</sup> P-810** is characterized by two significant properties.

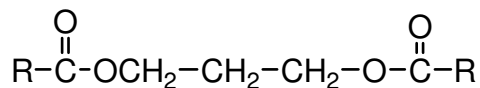
- 100% Vegetable Derived
- Extremely Dry

**PELEMOL<sup>®</sup> P-810** is suggested as a 100% vegetable derived replacement for synthetically derived dry esters such as:

- Ethylhexyl Isononanoate
- Isononyl Isononanoate
- C<sub>12-15</sub> Alkyl Ethylhexanoate
- Propylene Glycol Dicaprylate/Dicaprate
- Ethylhexyl Ethylhexanoate

**PELEMOL<sup>®</sup> P-810** finds applications in the preparation of lotions, creams, lip products and lipstick, make-up products, deodorants, shaving preparations, fragrance products and bath and body preparations.

**PELEMOL<sup>®</sup> P-810** is REACH pre-registered and can be structurally described as:



where R= C<sub>7</sub>H<sub>15</sub> -C<sub>9</sub>H<sub>19</sub>

Trade Name	<b>PELEMOL<sup>®</sup> P-810</b>
INCI Name	Propanediol DiCaprylate/Caprate
CAS Number	1118558-49-8

## **TYPICAL PROPERTIES**

(Not To Be Taken As Specifications)

Appearance @ 25°C	Clear Liquid
Color (Gardner)	3.0
Odor	Characteristic
Acid Value, mg KOH/g	1.0
Saponification Value, mg KOH/g	322
Refractive Index @ 25°C	1.4425
Specific Gravity @ 25°C	0.918
Viscosity (cps)	11

## **SOLUBILITY**

Water	i
Propylene Glycol	i
Ethanol 200 Proof	m
Mineral Oil	m
Isododecane	m
Isopropyl Myristate	m
Castor Oil	m
Cyclomethicone	m
Dimethicone	s
Isononyl Isononanoate	m
Pentaerythrityl Tetraethylhexanoate	m

i=insoluble m= miscible (all %s) s=soluble (@5%)

## **SAFETY**

<b>*RIPT Study (50 human subjects) conclusions follow:</b>	
SKIN IRRITATION	NON-PRIMARY IRRITANT
SKIN SENSITIZATION	NON-PRIMARY SENSITIZER

**PELEMOL P-810** can be considered for use in Hypoallergenic products.

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

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