



Captex[®] 800

CAS Number: 93981-97-6*

EINECS No: 301-185-3

INCI Name: Propylene Glycol Diethylhexanoate

Product Type:

Captex[®] 800 is a branched diester of Propylene Glycol. It is miscible with most organic solvents including 95% ethanol. The low viscosity, excellent lubricity, and relative non-oily character which imparts a rich full-bodied feel to the skin makes **Captex[®] 800** ideally suited for a number of cosmetic and pharmaceutical products.

Specifications:

Specification	Limit	Test Method
Acid Value	1.0 max.	¹ AOCS Cd 3d-63
Appearance at 25 °C	Crystal clear liquid.	Visual
Color, APHA	50 max.	AOCS Td 1b-64
Hydroxyl Value	10.0 max.	AOCS Cd 13-60
Moisture, Karl Fischer	0.1% max.	AOCS Ca 2e-84
Odor	Neutral.	Sensory
Saponification Value	320 - 340	AOCS Cd 3-25
Specific Gravity at 25 °C	0.916-0.926	² USP / NF <841>

¹AOCS: American Oil Chemists' Society

²USP / NF: United States Pharmacopeia / National Formulary

Toxicology Information:

Test	Result
Acute Oral Toxicity (Oral LD ₅₀)	> 5 gm/kg in rats
Primary Dermal Irritation (rabbit)	Non-irritant
Acute Eye Irritation (rabbit)	Non-irritant
Acute Inhalation Toxicity (LC ₅₀)	> 20 gm/L in rats
Dermal Sensitization (guinea pig)	Non-sensitizing



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Personal Care Applications:

- Emollient.
- Solubilizer.
- Recommended for lotions, creams and cosmetics.

Pharmaceutical and Nutritional Applications:

- Carrier (vehicle).
- Solubilizer.

Shelf-Life:

Retest and re-qualify 18 months from the date of manufacture.

Storage:

Store in a dry location between 68-77 °F.

Standard Package:

- 50 lb. (22.7 kg) pail.
- 425 lb. (193 kg) drum.

The information contained in this bulletin to the best of our knowledge is currently true and accurate. Any recommendations or suggestions are made without warranty or guarantee since, among other reasons, the conditions of storage and use are beyond our control.