

Chemical Name: 1,3-Propanediol Dicaprylate/Dicaprate
INCI Name: 1,3-Propanediol Dicaprylate/Dicaprate (proposed)

CAS Number: 1072005-10-7

Synonyms:

Decanoic Acid, Mixed Diesters with Octanoic Acid and 1,3-Propanediol
Propanediol Dicaprylate/Dicaprate

Product Description:

Captex 225, 1,3-Propanediol Dicaprylate/Dicaprate, is produced from raw materials of natural vegetable origin. Compared to traditional propylene glycol and propane diol esters, certain raw materials used in **Captex 225** may allow for a reduction in greenhouse gas emissions by about ten percent and may provide for a total energy savings of about eight percent, following a cradle-to-gate analysis. **Captex 225** is a water-white, low-viscosity, non-greasy oil which is especially suited for personal care applications.

Properties: (proposed)

Property	Preliminary Values	Reference Test Method
Color (APHA)	50 max.	¹ AOCS Td 1b-64
Acid Value (mg KOH/g)	0.1 max.	AOCS Cd 3d-63
Saponification Value (mg KOH/g)	305-335	AOCS Cd 3a-94
Moisture (Karl Fischer)	0.5% max.	AOCS Ca 2e-84
Specific Gravity @ 25 °C	0.91 - 0.93	² USP/NF

¹AOCS American Oil Chemists' Society

²USP/NF United States Pharmacopeia/National Formulary

Personal Care Applications and Uses:

- Emollient
- Viscosity modifier
- Skin conditioning agent, especially suited for use in creams and lotions

Recommended Handling and Storage:

- Retest and re-qualify 12 months from the date of manufacture
- Store in well-closed containers in a dry location at ambient temperature

Standard Package:

- 425 lb. (192.8 kg) drum
- 50 lb. (22.7 kg) pail

Version: 1 (Preliminary)

1 of 1

2/18/10

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