

# TECHNICAL BULLETIN

## HETESTER PCA

Chemical Name: Propylene Glycol Ceteth-3 Acetate  
INCI Name: Propylene Glycol Ceteth-3 Acetate

### SPECIFICATIONS

Appearance @ 25°C	Clear White/Pale Yellow Liquid
Color, APHA	100 Maximum
Acid Value	0.5 Maximum
Saponification Value	110 – 130
Moisture	0.5% Maximum
Hydroxyl Value	10 Maximum
pH 5% in 50/50 IPA/H <sub>2</sub> O @ 25°C	3.5 – 7.0
Cloud Point (Neat)*	Approximately 15°C

\*If partially or fully solidified, Hetester PCA returns to complete liquidity and homogeneity when allowed to warm to 25°C

### SUGGESTED APPLICATIONS

**Hetester PCA** is recommended for use as an anti-chalking agent in anhydrous volatile silicone oil roll-on antiperspirant formulations. When used at 8 -10% w/w in these systems, **Hetester PCA** eliminates chalking upon dry-down. Additionally, **Hetester PCA** is a self-emulsifying emollient when used at 8 – 25% w/w in the preparation of room temperature emulsions. Because of its “blooming” property, this ester is easily incorporated into all types of oil in water emulsion systems. The material is an emulsifier-emollient in one, and therefore can be used as the main emollient when an oil-free lotion is desired.

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