

TECHNICAL BULLETIN

HETESTER PHA

Chemical Name: PPG-1 PEG-3 Isocetyl Acetate
CFTA/INCI Name: Propylene Glycol Isoceteth-3 Acetate
CAS Number: 93385-13-8
EINECS Number: 1201.25A (Polymer)

SPECIFICATIONS:

Appearance @ 25°C	Clear White/Pale Yellow Liquid
Color, Gardner	3 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 ₂ O @ 25°C	3.5 – 7.0

SOLUBILITIES (5% Conc. @ 25°C):

Water	Self-Emulsifying
95% Ethanol	Soluble
Most Cosmetic Oils	Soluble

SUGGESTED USES:

Hetester PHA is a self-emulsifying emollient when used between 5 and 15% w/w and can easily emulsify twice its weight in oil to prepare oil in water emulsions at 20°C.

Because of its “blooming” property, this ester is easily incorporated into all types of water or oil in water systems. This material is an emulsifier and emollient in one and can be used as the main emollient when an oil free emulsion is desired.

Hetester PHA is an excellent pigment wetter and disperser and is indicated for use in a myriad of pigmented products.