



# PROTAPHOS CES <sup>[TM]</sup>

INCI : CETEARYL ALCOHOL (AND) DICETYL PHOSPHATE  
(AND) CETETH-10 PHOSPHATE

## Properties:

Appearance @ 25C	Waxy Solid or Flakes
Color, Gardner	White to off White
Odor	Mild, Characteristic
Ionic Nature	Anionic / Non-ionic
Melting Range C	54-58
Acid Value,mg KOH/gram	30-38
Solubility	Dispersible in water
Ph 2.0% (70-30 IPA-H2O)	2.0-3.5

Suggested Applications:      Surfactant - Emulsifying Agent

**PROTAPHOS CES is a blend of fatty alcohol and phosphate esters and is offered in a free acid form.**

**PROTAPHOS CES can be neutralized to any desired pH with basic materials such as TEA, MEA, AMMONIA, SODIUM OR POTASSIUM HYDROXIDES.**

**PROTAPHOS CES has use in a wide range of applications such as anionic-nonionic oil/water emulsifiers in skin care, sun screen, hair care, and baby care, imparting a pleasant superiour silky luxurious feel on the substrate of the skin.**

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