

ALZO International Inc.

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TECHNICAL BULLETIN

Bernel Ester TCC

Chemical Name: Tri-2-Ethylhexyl Citrate
INCI Name: Tricaprylyl Citrate
CA Index Name: N/A
CAS Number: 125643-43-8
EINECS Number: 2304573
Empirical Formula: $C_{30}H_{56}O_7$

SPECIFICATIONS:

Appearance	Clear Yellow Liquid
% Transmission	74.0 Minimum
Acid Value	2.0 Minimum
Saponification Value	302 – 326
Odor	Match Standard
Pour Point	-20°C or Lower
Specific Gravity @ 25°C	0.953 – 0.959

SOLUBILITY:

(5% Conc. @ 25°C)

Soluble in mineral oil, safflower oil and castor oil.

Insoluble in water and Ethyl Alcohol SD-40.

SUGGESTED USES:

Bernel Ester TCC is a NON-COMEDOGENIC, non-greasy emollient oil with a texture and feel of volatile silicone. It could very easily be substituted for part of the volatile silicone used in antiperspirants at a cost reduction. Its low point (-50°C) affords the formulator an excellent emollient to establish good freeze-thaw stability. Good applications in creams, lotions and make-up.

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