



Alzo International

TECHNICAL BULLETIN

DERMOL EHP

Chemical Name	: 2-Ethylhexyl Hexadecanoate
INCI Name	: Ethylhexyl Palmitate (and) ethylhexyl Stearate
CA Index Name	: Hexadecanoic Acid, 2-Ethylhexyl Ester
CAS Number	: 29806-73-3, 22047-49-0
EINECS Number	: 249-862-1, 244-754-0
Molecular Formula	: C ₂₄ H ₄₈ O ₂

TYPICAL PROPERTIES:

Appearance, 25°C	Clear Liquid
Color, APHA	20
Odor	Typical, Bland
Specific Gravity, 25°C	0.885
Pounds per Gallon, 25°C	7.12
Refractive Index, 25°C	1.4455
Molecular Wt. (Theoretical)	368
Ester Content, %	98
Freeze Point, °C	4.0
Acid Value, mg KOH/g	1.0
Free Organic Acid as Palmitic (Mol. Wt. 256), %	0.45
Saponification Value, mg KOH/g 150	
Iodine Value	1.0
Flash Point, °C (COC)	Over 170
Required HLB	10 – 11

SOLUBILITY:

Soluble in very high hydrophobic solvents such as esters, mineral oil, mineral spirits and aromatic hydrocarbons.
Dispersible in glycols, glycol ethers and glycerol.
Insoluble in water, glycerine, propylene glycol, PEG-400 Sorbitol (70%) and Ethyl Alcohol (0%).

SUGGESTED APPLICATIONS:

Dermol EHP is a rich non-oily emollient ester which finds numerous applications in cosmetic and personal care products including color cosmetics such as make-up and lipsticks and also hair sprays where it gives sheen without greasiness. In antiperspirants it acts as an anticlogging/suspending agent. In skin creams, suntan lotions, bath oil and after shaves, it provides a soft, velvety feel.

All information contained herein is intended primarily to demonstrate the utility of ALZO products. Suggestions for uses or applications are only opinions. The user is responsible for determining the suitability of these products for their own particular purpose. We assume no liability in the presentation of this data, nor should this information be construed as granting license to practice any methods or compositions of matter covered by U.S. or foreign patents.

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