

TECHNICAL BULLETIN

DERMOL 89

Chemical Name: 2-Ethylhexyl Isononanoate
INCI Name: Octyl Isononanoate
CA Index Name: Isononanoic Acid, 2-Ethylhexyl Ester
CAS Number: 71566-49-9
EINECS Number: 275-637-2

SPECIFICATIONS:

Appearance @ 25°C	Clear, Pale Yellow Liquid
Color, APHA	100 Max
Odor	Slight, Typical
Specific Gravity °C	0.855 ± 0.01
Pounds per Gallon @ 25°C	7.12
Refractive Index @ 25°C	1.4320 – 1.4360
Molecular Weight (Average)	270
Freeze Point, °C	-30
Acid Value, mg KOH/gram	1.0 Max
Free Acid as Isononanoic (Mol. Wt. 158.)	0.3 Max
Saponification Value, mg KOH/gram	200-215
Iodine Value	1.0 Max
Flash Point, °C (C.O.C.)	Over 150

SOLUBILITY: Soluble in most alcohols, glycols, glycol ethers, esters, ketones, mineral oil, vegetable oils, silicones, aliphatic and aromatic hydrocarbons and chlorinated hydrocarbons. Insoluble in water and glycerol

SUGGESTED APPLICATIONS:

DERMOL 89 is a highly branched low molecular weight ester that exhibits unique characteristics including extremely low freeze point, low viscosity, good penetrating power, excellent solubility and compatibility in a variety of ingredients such as esters, volatile silicones, mineral and vegetable oils.

The unique properties of DERMOL 89 lend themselves for use in numerous cosmetic applications; for example, skin toners, bath oils, light creams and lotions. In addition, DERMOL 89 acts as a replacement for volatile silicones in anti-perspirants where it reduces tackiness and prevents clogging in aerosols and as a resin plasticizer in hair sprays.

This information is believed to be reliable, but it is not to be construed as a warranty and no patent liability is assumed.