

TECHNICAL BULLETIN

DERMOL M-5

Chemical Name: Octanoic/Decanoic Acid Triglyceride
INCI Name: Caprylic/Capric Triglyceride
CA Index Name: Decanoic Acid, Ester with 1,2,3-Propanetrioll Octanoate
CAS Number: 65831-09-1, 73398-61-5
EINECS Number: 277-452-2, 265-724-3

SPECIFICATIONS:

Appearance @ 25°C	Off-White Clear Liquid
Color, APHA	100 Max
Odor	Mild, Coconut
Specific Gravity @25 °C	0.94
Pounds per Gallon @ 25°C	7.8
Refractive Index @ 25°C	1.4330 –1.4350
Molecular Weight (Average)	490
Moisture, % Karl Fischer	0.2 Max
Acid Value, mg KOH/gram	1.0 Max
Free Acid as Caprylic (Mol. Wt. 144)	0.26
Saponification Value, mg KOH/gram	335-355
Iodine Value	2.0 Max
Hydroxyl Value, mg KOH/g	10.0 Max
Flash Point, °C (C.O.C.)	Over 18050

SOLUBILITY: Soluble in most organic solvents such as silicones, alcohols, esters, ketones, mineral oil, vegetable oil, higher glycols, aliphatic, aromatic and chlorinated hydrocarbons.
Insoluble in water, lower molecular weight diols and triols.

SUGGESTED APPLICATIONS:

DERMOL M-5 is a saturated triglyceride of short chain fatty acids. It is a highly refined, extremely stable ester possessing unusual properties of lubricity and emolliency. It is a non-oily, light in color, has a low odor and possesses a very low viscosity yet results in a silky "feel" on the skin. DERMOL M-5 forms a thin layer on the skin and penetrates readily without leaving a fatty, tacky feeling. It has a very low level of skin irritation and is considered GRAS by the FDA. It is suggested as a carrier, a cosolvent or coupling agent and as an emollient in cream and lotion formulations.

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