

## TECHNICAL BULLETIN

### DERMOL IPM

Chemical Name: 1-Methylethyl Tetradecanoate  
INCI Name: Isopropyl Myristate  
CA Index Name: Tetradecanoic Acid, 1- Methylethyl Ester  
CAS Number: 110-27-0  
EINECS Number: 203-751-4

#### SPECIFICATIONS:

Appearance @ 25°C	Clear Liquid
Color, APHA	20 Max
Odor	Essentially Odorless
Specific Gravity @25 °C	0.850
Pounds per Gallon @ 25°C	7.1
Refractive Index @ 25°C	1.4330 –1.4350
Molecular Weight (Theoretical)	270
Ester Content, %	99 Min
Freeze Point, °C (Typical)	-4.0
Acid Value, mg KOH/gram	1.0 Max
Free Organic Acid as Myristic ( Mol. Wt. 228.), %	0.5 Max
Saponification Value, mg KOH/gram	202-212
Iodine Value	1.0 Max
Flash Point, °C (C.O.C.)	150

SOLUBILITY: Soluble in most organic solvent such as esters, mineral oil, vegetable oil, mineral spirits and aromatic hydrocarbons.  
Insoluble in water and some polyols like glycerol and glycol.

#### SUGGESTED APPLICATIONS:

**DERMOL IPM**, a non-oily ester which finds numerous applications in cosmetic and toiletry industry as an emollient and film spreader in bath oils, hair preparations, suntan lotions and creams. **DERMOL IPM** is also used as a solvent and solubilizer for additives used in certain cosmetic preparations such as perfume resins, lipstick and make-up colors.

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