

TECHNICAL BULLETIN

DERMOL ML

Chemical Name: Tetradecyl 2-Hydroxy Propanoate
INCI Name: Myristyl Lactate
CA Index Name: Propanoic Acid, 2-Hydroxy-, Tetradecyl Ester
CAS Number: 1323-03-1
EINECS Number: 215-350-1
Empirical Formula: $C_{17}H_{34}O_3$

PROPERTIES:

| | |
|---|----------------------|
| Appearance @ 25°C | Liquid to Soft Solid |
| Color, Gardner | 2.0 Max |
| Odor: | Typical, Slight |
| Specific Gravity @ 20°C | 0.90 |
| Pounds per Gallon @ 30°C | 7.5 |
| Molecular Weight (Theoretical) | 286 |
| Melting Point, °C | 28 – 34 |
| Acid Value, mg KOH/gr | 5.0 Max |
| Free Fatty Acid as Lactic (Mol. Wt. 90), % | 0.5 |
| Saponification Value, mg KOH/gr | 165 – 185 |
| Iodine Value | Nil |
| Flash Point, (COC) | Over 160 |

SOLUBILITY:

Soluble in most organic solvents, such as alcohols, glycols, glycol ethers, esters, mineral oil and natural oils.

Insoluble in water, triols and polyols.

SUGGESTED APPLICATIONS:

Dermol ML is a non-oily, soft, waxy emollient with a low melting point. It is used in low oil content creams and body lotions where it gives an elegant velvety feel to the skin. Dermol ML imparts luster and body to the hair when incorporated into shampoos and crème rinses. It reduces tackiness and acts as a lubricant and plasticizer for polymer resins in aerosol hair spray formulations and anti-perspirants.

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