

TECHNICAL BULLETIN

DERMOL 25-B

Chemical Name: Alkyl (C₁₂-C₁₅) Benzoate
INCI Name: C₁₂-C₁₅ Alkyl Benzoate
CA Index Name: Benzoic Acid, C₁₂-C₁₅ Alkyl Ester
CAS Number: 68411-27-8
EINECS Number: 270-112-4

SPECIFICATIONS:

Appearance @ 25°C	Clear Liquid
Color, APHA	50
Odor	Slight
Specific Gravity @25 °C	0.925
Pounds per Gallon @ 25°C	7.7
Refractive Index @ 25°C	1.4810
Molecular Weight (Theoretical)	307
Cloud Point, °C	10
Acid Value, mg KOH/gram	0.5 Max
Free Acid as Benzoic Acid (Mol. Wt. 122.), %	0.1
Saponification Value, mg KOH/gram	180
Iodine Value	Nil
Flash Point, °C (C.O.C.)	Over 170

SOLUBILITY:

Soluble in most hydrophobic solvents such as silicones, esters, vegetable oils, mineral oils, aliphatic, aromatic and chlorinated hydrocarbons.

Insoluble in glycols triols, polyols and water.

SUGGESTED APPLICATIONS:

DERMOL 25-B is a nonoily emollient ester/solvent of linear alcohol and aromatic ring acid which gives it a unique solvency characteristic. It is especially beneficial for solubilizing Benzophenone and other sunscreen actives. It is also useful as a plasticizer and solubilizer for nail enamels and hair resins. Because of its aromaticity, DERMOL 25-B reduces drag and enhances slip and lubricity without excessive luster and sheen. In addition to the above recommended uses, other suggested applications for DERMOL 25-B include greaseless cream, lotions, hair sprays, eye make-up, blushers and make-up removers.

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