



Finsolv® SB

INCI Name: Isostearyl Benzoate

CAS No.: 34364-24-4

Finsolv® SB

Finsolv® SB is the isostearyl homologue of the well known Finsolv® TN (C₁₂₋₁₅ Alkyl Benzoate). This essentially hydrophobic ester is typical of the alkyl benzoate esters in that it confers a non-greasy, yet velvety feel to the skin. Additionally, Finsolv® SB has low toxicological impact on skin and eyes, making it safe and convenient to use in all types of skin care and hair care products.

Finsolv® SB is nonionic and is insoluble in water; however, it is easily emulsified and furthermore is useful as an auxiliary stabilizer in the formation of microemulsions of other benzoate esters, particularly Finsolv® TN.

Applications

The smooth and easy-spread feel of Finsolv® SB makes this product particularly useful in skin care products where a soft, yet apparent after-feel is required. Among the types of products where Finsolv® SB is recommended are all types of lotions and creams, sunscreen and after-sun products, bath and shower and after-bath products, as well as stick and cream deodorants and all types of decorative cosmetics.

The reverse shows example formulations to demonstrate the range of usefulness of Finsolv® SB.

Product Specification (Not intended for use in preparing specifications)

Actives	100%
Appearance	Clear liquid
Odour	Practically odourless
Viscosity cps @ 25°C	45
Required HLB	12 - 13
Spreading coefficient dynes/cm @ 21°C	32.1

Recommended Use Directions

Facial cleanser

Ingredient	% by wt.
Part A	
Deionised water	89.55
Cocoamphodiacetate	1.00
Quaternium-15	0.10
Methylparaben	0.10
Propylparaben	0.05
Part B	
Finsolv® SB (Isostearyl Benzoate)	4.00
Dioctyl Maleate	2.00
Caprylic/Capric Triglyceride	1.00
Octyl Hydroxystearate	1.00
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0.20
Carbomer	0.60
Part C	
Aminoethyl Propanol (95%)	0.40
Procedure	
Combine the ingredients of part A and mix to dissolve. Prepare part B, mixing to break-up any lumps. Add part B to part A and mix for 20 minutes. Add part C and mix vigorously to produce a smooth white cream.	

W/O lotion w/vitamins

Ingredient	% by wt.
Part A	
Cyclomethicone (and) Dimethicone Copolyol	9.50
Cyclomethicone	6.00
Alpha-Tocopheryl Acetate	2.00
Pareth 25-3	0.50
Finsolv® SB (Isostearyl Benzoate)	5.00
Propylparaben	0.15
Part B	
Distilled water	72.70
Panthenol	2.00
Sodium Chloride	2.00
Methylparaben	0.15
Procedure	
Mix ingredients in part A and part B separately. Slowly add part B to part A using high shear. After the water phase has been added, continue mixing for an additional 15-20 minutes. Pack. Product will thicken to a viscosity of 12,000 - 14,000cps upon standing.	





For further information, please email your region:
america-ac@innospecinc.com, aspac-ac@innospecinc.com, emea-ac@innospecinc.com
www.innospecinc.com

Issue No. 3/2008

The facts stated and the recommendations made are based on our own research and/or the research of others, and are believed to be accurate. No guarantee of their accuracy is made, however, and unless otherwise expressly provided by law or in written contract, the materials are sold without warranties, expressed or implied, in particular without guarantee as to suitability for particular purpose. Innospec assumes no responsibility for injury or damage to users or third parties. Recipient agrees to assume all risk and liability whether used singly or in combination with other materials.