


Technical Data Sheet

Product Name	Dibutyl Adipate (DBA) 			
CAS No.	105-99-7			
Key Functional Benefits	<ul style="list-style-type: none"> • Lightweight, non-greasy emollient • Fast spreading with elegant after-feel • Superior solubilizing power for crystalline UV filters • Enhances uniform dispersion of actives • Improves texture, glide, and sensory appeal • Broad compatibility with cosmetic ingredients 			
Typical Properties	Appearance	Colourless limpid liquid		
	Colour (APHA / Hazen / Pt-Co / PCU)	50 max.		
	Assay(GC)	99% min.		
	Butanol Content (By GC)	1% max		
	Acid Value	0.5 mg KOH/g max.		
	Water Content (w/w)	1% max.		
	Specific Gravity (at 25 °C)	0.958 - 0.963		
	Refractive Index (at 25°C)	1.430 - 1.440		
	Saponification Number (mg KOH/g)	420 - 440		
Description	<p>Dibutyl Adipate is a lightweight, fast-spreading emollient with excellent solubilizing capability for crystalline chemical UV filters and other lipid-soluble ingredients. It imparts a smooth, silky skin feel while enhancing the uniform dispersion of actives. Owing to its versatility and favorable sensory profile, Dibutyl Adipate is widely used in sun care, skin care, baby care, and color cosmetic formulations.</p>			
Applications	<p>Suncare</p> <ul style="list-style-type: none"> • Sunscreens • Lotions • Sprays • Sticks 	<p>Skincare</p> <ul style="list-style-type: none"> • Creams • Lotions • Serums • Moisturizer 	<p>Babycare</p> <ul style="list-style-type: none"> • Baby lotions • Creams • Diaper care products 	<p>Color Cosmetics</p> <ul style="list-style-type: none"> • Foundation • Lipsticks • Lip glosses • Compact Powders
Packaging and Shelf Life	<p>DBA is supplied in 22 kg Carboys, 200 kg drums and 950 kg IBC. DBA can be stored for at least 2 years in original closed container in a cool and dry place.</p>			
<p><i>This sheet is only a ready reference. Please contact us for any further information. Always test all material before use.</i></p>				