

Dibutyl Sebacate

Technical Data Sheet



Product Identification	Chemical Name	Dibutyl Sebacate
	Chemical Abstracts Registry No.	109-43-3
	Molecular Formula	C ₁₈ H ₃₄ O ₄
	Molecular Weight	314.4
Specifications	<u>Property</u>	<u>Specification</u>
	Assay (GC) % (as C₁₈H₃₄O₄)	98.0 minimum
	Appearance	Clear liquid
	Color, APHA	50 maximum
	Acidity, mg KOH/g sample	0.1 maximum
	Moisture (K-F), %	0.1 maximum
	Refractive Index @ 25°C/D	1.429 – 1.441
Specific Gravity @ 20°C	0.935 – 0.939	
Typical Properties	<u>Property</u>	<u>Value</u>
	Flash Point, C.O.C., °F	353
	Melting Point, °C	-11
	Boiling Point, °C	180 @ 3 mm Hg
	Viscosity @ 25°C, cps	9.5
	Vapor Density	10.8
Applications	Dibutyl Sebacate (DBS) is a specialty plasticizer that provides excellent compatibility and superior low temperature properties to a variety of polymers. The low temperature advantages of DBS, makes this an excellent choice for vinyl food contact films used in refrigeration. It is also used in a variety of coatings, films and articles that include such resins as vinyls, acrylics, nitrile rubber, Buna-n-rubber, as well as some cellulose.	

For toxicity or regulatory information please consult the Material Safety Data Sheet.

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