

UNIPLEX DBS
DIBUTYL SEBACATE (DBS)
CAS NO. 109-43-3

Uniplex DBS is a general purpose plasticizer for variety of plastics, namely cellulose acetate butyrate, cellulose acetate propionate, ethyl cellulose, polyvinyl butyral, polyvinyl chloride, polyvinylidene chloride, polystyrene, and many synthetic rubbers (especially nitrile rubber and neoprene) It can be used for plastics in use for food packaging, medical devices and as an excipient for pharmaceutical applications. It can be used as a dispersant for pigments in various plastics. It is widely used as a rocket plasticizer.

Uniplex DBS has excellent compatibility with a range of plastics with superior properties at low temperatures and good oil resistivity. Uniplex DBS is a excellent choice as a replacement for Dibutyl Phthalate in a number of applications

DOT Hazard Code – not regulated.

SPECIFICATIONS:

Appearance	Clear Liquid
Acidity (as oxalic acid)	0.1 % max.
Color (APHA)	40 max.
Assay, as esters	98.0 % min.
Water Content	0.10 % max.
Specific Gravity 20°/20°C	0.935 – 0.939

PROPERTIES:

Molecular Weight	314.4 g/mole
Odor	characteristic
Saponification Number	352-357
Flash Point, COC, °F	353
Refractive Index n_D^{20}	1.429 – 1.441
Boiling Point (760 mm Hg)	180°C at 3 mm Hg
Solubility in water	Practically insoluble

HANDLING INFORMATION:

Refer to Material Safety Data Sheet

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale. Suggestions for uses of our products should not be understood as recommendations that they be used in violation of any patents.