

DIOCTYL SEBACATE

Chemical Nature

Chemical Name Di(2-ethylhexyl) sebacate

CAS RNo. is: 122-62-3

Chemical formula is: C₂₆H₅₀O₄

Structural formula is:

CH₃CH₂CH₂CH₂CH₂CH₂OOC(CH₂)₈COOCH₂CH₂CH₂CH₂CH₂CH₃

Molecular Weigh: 426.68 g/mol

Physical and Chemical properties:

Description	Viscouse colorless or light yellow oil quid liquid with a special small
Color (Apha, max)	30
Ester content (% , min)	99,0
Specific Gravity(27°C)	0.91
Flashing point	215
Boiling point	248
Freezing point	-55
Density (ρ 20 把)	0,913 - 0,919
Refractive Index	1,483
Saponification Number	260 - 270

DISSOLUBILITY:

Diocetyl Sebacate (DOS) can soluble in organic solvents such as hydrocarbon, alcohols, ketone and chlorinated hydrocarbon, Diocetyl Sebacate (DOS) insoluble in dibastic alcohol or water.

APPLICATION:

Diethyl Sebacate (DOS) is an excellent freeze-resisting plasticizer used in PVC, chloroethylene polymer, cellulose nitrate, ethyl cellulose and synthetic rubber, with high plasticizing efficiency, low volatility, good cold-resisting property, light-resisting and electric insulating property. Diethyl Sebacate (DOS) is especially suitable for producing cold-resisting electric wire, cable, imitation paper, plastic film and plant. But its high migratory aptitude makes Diethyl Sebacate (DOS) easy to be extracted by solvent of kind, and its water-proof property is not so good (better than ABS), Diethyl Sebacate (DOS) is usually used together with DOP. Diethyl Sebacate (DOS) can serve as plasticizer in low temperature for compound rubber, Diethyl Sebacate (DOS) has no effect on the sulfuration of the rubber.

PLASTICIZING EFFICIENCY:1.09

PACKING AND STORAGE:

Dos is packed in 200/225kg iron drum/HDPE drum,20-22MT in Flexi tank/ISO tank/road tanker. It is stored in tightly closed container, in a cool,dry, and ventilated area.

SHELF LIFE:

Original characteristics remain intact for 24 months, if kept in recommended storage.

SAFETY:

The MSDS can be provided on request.