

# DOS

## TECHNICAL DATA SHEET



Chemical Formula :  $C_{26}H_{59}O_4$   
Cas No.122-62-3

### ■ Description

DOS is a mono constituent substance organic origin, obtained by esterification of Sebacic acid and 2-ethylhexyl alcohol. This substance acts as primary monomeric plasticizer.

### ■ Applications

DOS is used in a lot of applications in the thermoplastic industries due to maintain very good flexibility and functionality at low temperatures over PVC and its polymers modification, ethyl cellulose, cellulose nitrate, chlorinated rubber, and nitrile rubber.

### ■ Packaging

Packaged in 180kg drums and IBC 900KG

No.	ITEMS DESCRIBE	INDEX
01	Density 20 °C g/cm 3	0,913 – 0,919
02	Viscosity 20 °C cp	20 – 24
03	Viscosity index	152
04	Acid value mg KOH/g	≤ 0.2
05	Refractive index	1.4500 – 1.4530
06	Boiling point °C at 5 mm/Hg	256
07	Flash point °C	215
08	Freezing point °C	≥ -80
09	Saponification value	265-275
10	Vapour pressure at 20°C	5,4 10-8