

DOA (Diethyl Adipate)

TECHNICAL DATA SHEET



Chemical Formula : $C_{22}H_{42}O_4$

Cas No.123-79-5

■ Description

Diethyl Adipate is an organic typical cold resistant plasticizer. Diethyl Adipate is produced by the reaction of adipic acid and 2-ethylhexanol in the presence of catalyst like sulfuric acid. DOA is known as a highly efficient monomeric ester plasticizer.

■ Applications

Due to the extreme good flexibility, low temperature and good electrical properties, Diethyl Adipate (DOA) is used as a plasticizer.

■ Packaging

Packaged in 220kg drums.

No.	ITEMS DESCRIBE	INDEX
01	Appearance	Colourless to yellowish liquid
02	Molar Mass	370.57 g/mol
03	Density	920 kg/m ³
04	Melting Point	-67.8 °C
05	Boiling Point	214 °C
06	Solubility in Water	0.78 mg/L (22 °C)
07	Vapour Pressure	347 Pa at a temperature of 20°C
08	Flash Point	196
09	Odour	Slightly fatty aroma
10	APHA Value	50 max