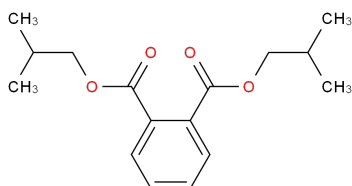


— TECHNICAL DATA SHEET —

MIRAIPLAST – 800

CHEMICAL NAME	- Bis-(2-ethylhexyl) Phthalate (DEHP/DOP)
CAS No.	- 117-81-7
MOLECULAR WEIGHT	- 390
MOLECULAR FORMULA	- C ₂₄ H ₃₈ O ₄
MOLECULAR STRUCTURE	



PRODUCT SPECIFICATIONS:

PHYSICAL STATE

COLOR (APHA)

ESTER CONTENT % BY WEIGHT

ESTER VALUE (mg KOH/g)

ACID VALUE (mg KOH/g)

ACID VALUE (mg KOH/g) {AFTER HEATING (125°/3 Hrs.)}

HEAT STABILITY (180°/2 Hrs.)

SPECIFIC GRAVITY (27°C)

MOISTURE CONTENT (%)

REFRACTIVE INDEX (27°C)

VALUE:

CLEAR OILY LIQUID

20 max

99.9

284-290

0.02 max

0.07 max

NO CHANGE

0.980-0.986

0.05 max

1.484-1.486

TEST METHOD:

VISUAL

ASTM-D-1045-86

ASTM-D-1045-86

ASTM-D-1045-86

JIS-K-6751

JIS-K-6751

ISI-9591-96

ASTM-D-1045-86

ASTM-D-1045-86

ASTM-D-1045-86

TYPICAL PHYSICAL PROPERTIES:

MOLECULAR WEIGHT

BOILING POINT °C

FREEZING POINT °C

FLASH POINT °C

VISCOSITY @20°C

VALUE

390

386

-55

216

82 ± 2

DESCRIPTION:

Miraiplast-800 (DEHP/DOP) is a clear colorless oily liquid produced by reacting phthalic anhydride & 2-Ethylhexanol in presence of a suitable catalyst.

APPLICATION:

Miraiplast-800 features good stability to heat and ultraviolet light, a broad range of compatibility and excellent resistance to hydrolysis. It is a general purpose versatile plasticizer being used in making a variety of flexible PVC product for a broad range of applications i.e, PVC leather cloth, sheeting, shoes, shower curtains, cable sheathing and many more. Due to reported toxicity in animals, it is not recommended in REACH compliance product and other phthalate free products.

SHELF LIFE:

If placed/stored in recommended storage condition, original characteristic unchanged for 24 months.

PACKAGING:

Available in lot, drum packing 210 kg/drum and tanker load.