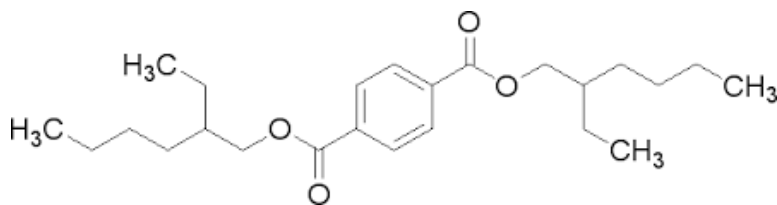


— TECHNICAL DATA SHEET —

**MIRAIPLAST – 800 TP**

<b>CHEMICAL NAME</b>	- Bis-(2-ethylhexyl) Terephthalate (DOTP)
<b>CAS No.</b>	- 6422-86-2
<b>MOLECULAR WEIGHT</b>	- 390.6
<b>MOLECULAR FORMULA</b>	- C <sub>24</sub> H <sub>38</sub> O <sub>4</sub>
<b>MOLECULAR STRUCTURE</b>	



**PRODUCT SPECIFICATIONS:**

	<b>VALUE:</b>	<b>TEST METHOD:</b>
COLOR (APHA)	25 max	ASTM-D-4052
ESTER CONTENT % BY WEIGHT	99.6	ASTM-D-3465
MOISTURE CONTENT % BY WEIGHT	0.1 max	ASTM-E-203
ACID NUMBER (mg KOH/g)	0.1	ASTM-D-1045
SPECIFIC GRAVITY (25/25°C)	0.980-0.987	ASTM-D-4052
REFRACTIVE INDEX (nD20)	1.486-1.487	JIS-K-6751
FOREIGN PARTICLE	NIL	VISUAL

CLEAR OILY LIQUID FREE FROM FOREIGN CONTAMINATION

**TYPICAL PHYSICAL PROPERTIES:**

	<b>VALUE</b>
ODOUR	MILD CHARACTERISTIC
DENSITY @ 25°C g/cm <sup>3</sup>	0.978
FLASH POINT °C	216

**DESCRIPTION:**

Miraiplast-800 TP (DOTP) is produced by reaction of terephthalic acid and 2-ethylhexanol using suitable catalyst, clear oily transparent liquid.

**APPLICATION:**

Miraiplast-800 TP can be safely used in making all of the flexible PVC products as plasticizer i.e, toys, upholstery as a non-phthalate plasticizer. It is recommended as a plasticizer in making ROHS, REACH and GADS compliance flexible PVC products. It is compatible with all monomeric plasticizers as it can be used in combination with other plasticizers.

**SAFETY:**

Product does not require special handling and may be handled in accordance with good industrial hygiene and safety practice. Avoid eye contact by using protective equipment. If eye contact occurs, wash with water and contact physician. Avoid breathing vapor and skin contact.

**STORAGE & HANDLING:**

Miraiplast-800 TP has an almost unlimited shelf life when properly stored in close container and recommended condition.

**PACKAGING:**

Available in bulk, drum (200 kg) and tanker load.