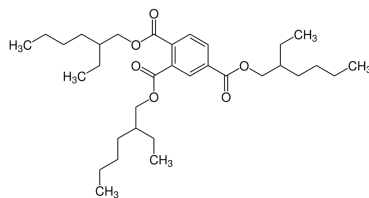


— TECHNICAL DATA SHEET —

MIRAIPLAST – 800 TM

CHEMICAL NAME	- Tris-(2-ethylhexyl) Benzene 1, 2, 4-tricarboxylate (TOTM)
CAS No.	- 3319-31-1
MOLECULAR WEIGHT	- 546
MOLECULAR FORMULA	- C ₃₃ H ₅₄ O ₆
MOLECULAR STRUCTURE	



PRODUCT SPECIFICATIONS:

PHYSICAL STATE	VALUE: Clear Oily Liquid	TEST METHOD: VISUAL
COLOR (APHA)	100 max	ASTM-D-5386
ESTER CONTENT % BY WEIGHT	99.0	ASTM-D-3465
MOISTURE CONTENT % BY WEIGHT	0.1 max	ASTM-E-203
ACID NUMBER (mg KOH/g)	0.2 max	ASTM-D-1045
SPECIFIC GRAVITY (25/25°C)	0.984-0.991	ASTM-D-4052
REFRACTIVE INDEX (n _D ²⁵)	1.484±0.003	JIS-K-6751
SUSPENDED FOREIGN MATERIAL	NIL	VISUAL

TYPICAL PHYSICAL PROPERTIES:

ODOUR	VALUE MILD CHARACTERISTIC
DENSITY @ 25°C g/cm ³	0.984
FLASH POINT COC °C	250
SOLUBILITY IN WATER @ 25°C mg/L	<0.01
POUR POINT °C	-38
VAPOUR PRESSURE @ 25°C mbar	<0.01

DESCRIPTION:

Miraiplast-800 TM (TOTM) is a primary branched chain monomeric plasticizer for homo as well as copolymer PVC resin and produced by reacting 1, 2, 4 – benzene tricarboxylic acid and 2 – ethyl hexanol in presence of suitable catalyst.

APPLICATION:

Miraiplast-800 TM is suggested for use in those end use areas where extreme low volatility is required for example outdoor and fog control products. Recommended for low temperature application and REACH & GADS compliance flexible PVC products.

SAFETY:

Based on toxicity studies, Miraiplast-800 TM has a low order of toxicity and does not require any special handling. Handling should be in accordance with good industrial hygiene and safety condition. Avoid eye contact by using protective equipment. Also avoid fumes inhaling and continuous skin contact.

SHELF LIFE:

Unlimited if stored in proper condition.

PACKAGING:

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