KLJ Group

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KANATOL - TM 8-10

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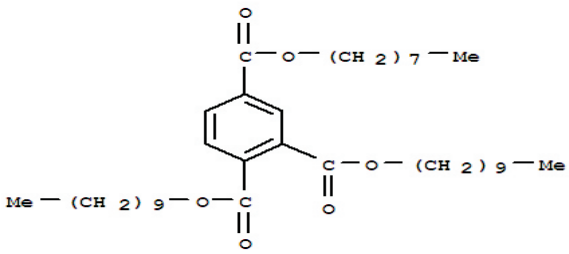
Primary plasticizer for PVC and PVC copolymers

Chemical Nature Trimellitic anhydride acid ester of C8 & C10 alcohol

Chemical name	:-	Bis-(Isodecyl) 2-Ethylhexyl Trimellitate 1,2-Didecyl 4 octyl benzene-1,2,4-tricarboxylate
Trade Name	:-	KANATOL-TM 8-10
Molecular Formula	:-	$C_{37}H_{62}O_6$
Molecular weight	:-	602.4
Molecular Structure	:-	$C_8H_{17}OOCC_6H_3(COOC_{10}H_{21})_2$



CAS Number	:-	84864-66-4
UN. NO.	:-	
EINECS NO.	:-	284-389-4

Specification

Characteristics	Unit	Test Method	Value
Colour	HU	ASTM-D-1045-86	100 max
Volatile Loss (130°C/3Hrs)	wt.%	KLJTM	0.10max.
Ester Value	mg KOH/g	ASTM-D-1045-86	275-285.
Acidity	wt..%	ASTM-D-1045-86	0.020 max.
Moisture	wt..%	ASTM-E-203	0.10 max.
Specific Gravity (27°C)	-	ASTM-D-1045-86	0.974-0.980.
Ester content	Wt..%	ASTM-D-1045-86	99.00 min.
Heat Stability (180°C/2Hrs)	HU	ISI-9591-96	No Change.
Acidity after heat treatment	wt.%	ASTM-D-1045-86	0.05.
Plasticizing Esters by GC	% by area	KLJTM	99.00 min.

Typical Properties

Volume Resistivity	Ohmcm	KLJTM	$7.0 \pm 1.0 \times 10^{11}$
Boiling Point	°C	lit.	NA
Pour point	°C	lit.	NA
Viscosity at 20°C	cp	KLJTM	497 ± 3
Flash Point (COC)	°C	KLJTM	NA.
Refractive Index (27°C)	–	ASTM-D-1045-86	1.4855-1.4865.

Total Solution in Plasticizers

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Properties

K-TM 8-10 is almost colourless and oily liquid, free of foreign materials.**K-TM 8-10** is a primary **K-TM 8-10** is branched monomeric plasticizers for vinylhomopolymer Copolymer resins. K-TM 8-10 suggested for use in those end-use areas where extreme low volatility is required.

Application

K-TM 8-10 provide desirable properties in vinyl applications which require good plasticizer / resin compatibility , low volatility , resistance to extraction by soapy water and very good electrical properties.

K-TM 8-10 is often a good substitute for polyester polymeric plasticizers where improvements in processing are desired.

K-TM 8-10 is a specialty plasticizer that offers permanence, good extraction resistance, superior high temperature performance and excellent electrical properties.

Plasticizing Efficiency

1.08

Compatibility with Secondary Plasticizers

N.A.

Packing & Storage

K-TM 8-10 is packed in 200/225 kg iron drum / HDPE drum, 20 - 22 fcl flexi tank or in road tanker. It is stored in tightly closed container, in a cool, dry & ventilated area.

Shelf life

Original characteristics remain intact for a period of 24 months, if kept in recommended storage.

Safety

The MSDS can be provided on request.

Disclaimer

The data contained in this publication are based on our current knowledge and experience. During processing, there are so many factors which may affect the application part of **K-TM 8-10,** so these data neither imply any guarantee of certain properties, nor the suitability of the product for the specific purpose. Any data given in this publication may change without prior information and donot constitute the agreed quality of our product.