



## KANATOL 555

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#### Primary plasticizer for PVC and PVC copolymers

**Chemical Nature** Phthalic acid ester of Pentanols mixture

Chemical name	-: N.A.
Trade Name	-: KANATOL- 555
Molecular Formula	-: C <sub>23</sub> H <sub>36</sub> O <sub>4</sub>
Molecular weight	-: 306
Molecular Structure	-: C <sub>6</sub> H <sub>4</sub> (CO <sub>2</sub> C <sub>5</sub> H <sub>11</sub> ) <sub>2</sub>

Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-86	20 max.
	Volatile Loss (110°C/2Hrs)	wt.%	KLJTM	0.10 max.
	Ester Value	mg KOH/g	ASTM-D-1045-86	347-353.
	Acidity	wt..%	ASTM-D-1045-86	0.010 max.
	Moisture	wt..%	ASTM-E-203	0.10 max.
	Specific Gravity (27°C)	-	ASTM-D-1045-86	1.025-1.035.
	Ester content	wt..%	ASTM-D-1045-86	99.50 min.
	Heat Stability (150°C/2Hrs)	HU	ISI-9591-96	No Change.
	Acidity after heat treatment	wt.%	ASTM-D-1045-86	0.03.
	Plasticizing Esters by GC	% by area	KLJTM	99.50 min.
	Residual alcohol	% by area	KLJTM	0.05 max..

#### Typical properties

Boiling Point	°C	--	NA.
Viscosity at 20°C	cp	KLJTM	28 ± 2.
Flash Point	°C	KLJTM	191.
Refractive Index (27°C)	--	ASTM-D-1045-86	1.490-1.494.

#### Properties

Kanatol- 555 is almost colourless, odourless or slight aromatic, ester odour oily liquid, free of foreign materials in soluble in water but miscible in organic solvents.

#### Application

It resembles DBP but has a lower specific gravity and lower freezing point.

Kanatol- 555 is used effectively as an intermediate between DBP & DOP to act as plasticizer in pvc compounding, specially in pipes..

Kanatol- 555 is an effective plasticizer for shoes, emulsion paints and its versatility is one of the prime benefit offered by it in the processing and applications of artificial leather coating.

Total Solution in Polymer compounds



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#### Packing & Storage

**Kanatol- 555** 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

It keeps the original characteristics minimum for 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 Kanatol-555, 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 do not constitute the agreed quality of our product.

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