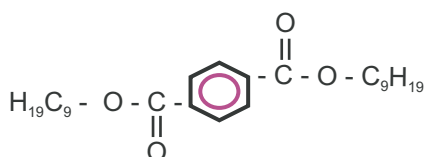


## KANATOL - 9090

### KANATOL 9090 Primary plasticizer for PVC and PVC copolymers

**Chemical Nature** Benzene dicarboxylic acid ester of C9 alcohol

Chemical name	:-	Di-Iso-nonyl benzene 1, 4, di carboxylate
Trade Name	:-	KANATOL- 9090
Molecular Formula	:-	C <sub>26</sub> H <sub>42</sub> O <sub>4</sub>
Molecular weight	:-	418
Molecular Structure	:-	C <sub>6</sub> H <sub>4</sub> -1, 4-[CO <sub>2</sub> C <sub>9</sub> H <sub>17</sub> ] <sub>2</sub>



CAS Number	:-	NA
UN. NO.	:-	NA
EINECS NO.	:-	NA

Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-86	20 max.
	Volatile Loss (130°C/3Hrs)	wt %	KLJTM	0.10max.
	Ester Value	mg KOH/g	ASTM-D-1045-86	265-270
	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	0.962-0.968
	Ester content	wt.%	ASTM-D-1045-86	99.50min.
	Heat Stability (180°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	99.50min.
	Residual alcohol	%by area	KLJTM	0.10 max.
<b>Typical Properties</b>				
	Viscosity at 20°C	cp	KLJTM	83 ± 2.
	Refractive Index (27°C)	-	ASTM-D-1045-86	1.483-1.489.

[Total Solution in Plasticizers](#)



## KANATOL - 9090

### Properties

**Kanatol-9090** is transparent liquid with stability and soluble in most of organics solvent. This product is a primary plasticizer with fine performances. Most preferable Plasticizer, to be used in PVC, chlorethlene polymer, cellulose nitrate, ethyl cellulose and synthetic rubber.

### Application

Easily dissolved with PVC, as its volatility, migration and non-toxicity are superior to DOP. It can present products with good light resistance, heat resistance, degradation resistance and electrical insulation. Finds applications as Non-Carcinogen plasticizer in toy film, vinyl gloves, wall covering, vinyl flooring, carpet & novelties and synthetic rubber, wires and cables owing to its excellent properties of water fastness, low toxicity, degradation resistance, electrical insulation than DOP.

It has lower flexibility cause of its structure, and this decrease plastics fragile of lower heat. Due to its structural behavior, it can lubricate itself and conclusion of this, preparing plastisol is much more shorter time and spending less energy.

It can replace DINP, DIDP due to lower volatile character. Preferable plasticizer for producing cable with excellent electrical specialties.

### Plasticizing Efficiency

1.09

### Compatibility with Secondary Plasticizers

Not compatible with secondary plasticizers.

### Packing & Storage

**KANATOL-9090** is packed in 200/225 kg iron drum / HDPE drum, 20 - 22 fcl flexi tanks 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-9090**, 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 product.