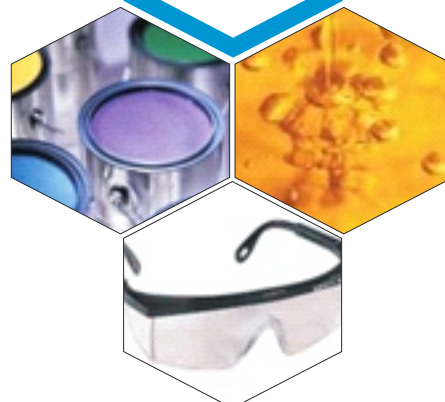


# KLJ Group

Trust built on performance



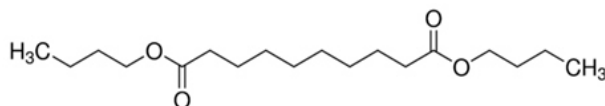
## KANATOL-4S



Primary Ester for PVC, PVA & NBR

**Chemical Nature** C4 Ester of Sebacic acid

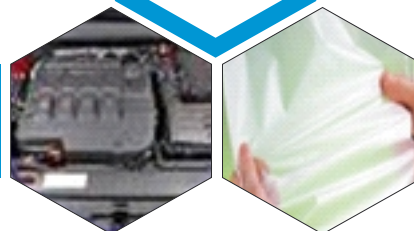
Chemical Name :- Di-Butyl Sebacate  
Trade Name :- KANATOL-4S  
Molecular Formula :- C<sub>18</sub>H<sub>34</sub>O<sub>4</sub>  
Molecular Weight :- 314.46 g/mol  
Molecular Structure :- C<sub>4</sub>H<sub>9</sub>OOC(CH<sub>2</sub>)<sub>8</sub>COOC<sub>4</sub>H<sub>9</sub>



CAS Number :- 109-43-3  
EC Number :- 203-672-5

Specification	Characteristics	Unit	Test Method	Value
	Colour	APHA	ASTM-D-1045-2008	50 HU max.
	Volatile Loss (130°C/ 3Hrs)	wt. %	KLJTM	0.1 max.
	Ester Value	mg KOH/g	ASTM-D-1045-2008	354 - 356
	Acidity	wt. %	ASTM-D-1045-2008	0.010 max.
	Moisture	wt. %	ASTM-E-203-2009	0.10 max.
	Specific Gravity (27°C)	--	ASTM-D-1045-2008	0.934±0.003
	Ester content	wt. %	ASTM-D-1045-2008	99.00 min.
	Heat Stability (180°C/ 2Hrs)	HU	ISI-9591-2003	No Change
	Plasticizing Esters by GC	% by area	KLJTM	99.00min.
	Residual alcohol	% by area	KLJTM	0.50 max.
	Initial Boiling Point & Range@ 4 hPa	°C	LIT.	178-179
	Freezing point	°C	LIT.	-12
	Flash Point	°C	COC.	178
	Refractive Index (27°C)	--	ASTM-D-1045-2008	1.442-1.448

[Total Solution in Plasticizers](#)



## KANATOL-4S

### Properties

**KANATOL-4S** is almost colour less and oily liquid with a fruity odor, is a Soluble Non-flammable liquid, free from foreign materials. Used in production of Plastics, namely- Cellulose acetate butyrate , Cellulose acetate propionate , Ethyl cellulose, Polyvinyl butyral, Polyvinyl chloride, Polystyrene, and many Synthetic rubbers (Especially nitrile rubber and neoprene). It can be used for articulates used in the food packaging industry, in plastics used for medical devices. It is also used as a lubricant in shaving lotions and a flavoring additive in non-alcoholic beverages, cream, candy, and baked goods. It provides good oil resistivity and low temperature characteristics.

### Application

**KANATOL-4S** provides good low temperature flexibility, Low volatility and good-compatibility with PVC Matrix and find uses in various formulation system with PVA, PVDC, PVDF, PVB, NBR, Polyisoprene etc.

**KANATOL-4S** finds uses in cosmetic formulation as a Solvent, Plasticizer, Masking Agent, Emulsifier and conditioning agent for Hair & Skin.

### Plasticizer Efficiency

N.A.

### Packing & Storage

**KANATOL-4S** is packed in 180 kg HDPE drum / MS drum,20 - 22 MT in flexi tank/Iso tank/ road tanker. It is stored in tightly closed container, in a cool, dry & Ventilated area.

### Shelf Life

Original characteristics remain intact for 24 month, if kept in recommended storage.

### Safety

MSDS can be provided on request.

### Disclaimer

The data contain in this publication are based on our current knowledge and Experience. During processing, there are so many factors which may effect the application part of **KANATOL-4S**, 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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