

# KANATOL - 400 (I)

## DI ISO BUTYL PHTHALATE (DIBP)

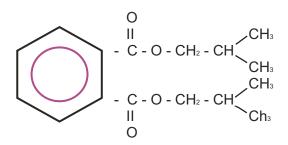
### Primary plasticizer for PVC and PVC copolymers

Chemical Nature Phthalic acid ester of Iso butyl alcohol

Chemical Name :- DI Iso Butyl Phthalate

Trade Name :- DIBP Molecular Formula :-  $C_{16}H_{22}O_4$  Molecular Weight :- 278

Molecular Structure :-  $C_6H_4CO_2[CH_2CH(CH_3)_2]_2$ 



CAS Number :- 84-69-5 UN. NO :- 3082 EINECS NO :- 201-553-2

#### **Specification**

**Characteristics** Unit **Test Method** Value ASTM-D-1045-86 Colour HU 20 max. Volatile Loss (110°C/2Hrs) wt.% **KLJTM** 0.10max. Ester Value mg KOH/g 399 - 405ASTM-D-1045-86 Acidity wt.% ASTM-D-1045-86 0.010 max. Moisture wt.% ASTM-E-203 0.10 max. 1.030 - 1.040Specific Gravity (27°C) ASTM-D-1045-86 Ester content wt.% ASTM-D-1045-86 99.50min. No Change Heat Stability (150°C/2Hrs) HU ISI-9591-96 wt.% Acidity after heat treatment ASTM-D-1045-86 0.03 Plasticizing Esters by GC by area KLJTM 99.50min. Residual alcohol %by area KLJTM 0.05 max...

### **Typical Properties**

 Boiling Point
 °C
 lit.
 327

 Viscosity at 20°C
 cp
 KLJTM
 34.5 ± 1.5

 Flash Point
 °C
 KLJTM
 185

 Refractive Index (27°C)
 ASTM-D-1045-86
 1.486 - 1.495

Total Solution in Plasticizers

Contact: plasticizer@kljindia.com

An ISO 9001:2000 and ISO 14001:2004 conglomerate

www. kljindia.com





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Properties DIBP is almost colourless, odourless or slight aromatic, ester odour oily liquid, free

of foreign materials.

**Application** It is an excellent low cost plasticizer for cellulose nitrate.

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

DIBP is used effectively in protective coatings based on cellulose acetate, ethyl

cellulose, vinyl polymers etc.

DIBP is an effective plasticizer for polyvinyl acetate emulsion paints and its versatility is one of the prime benefit offered by it in the processing and

applications of nitrite rubbers.

Under the food and Additives Regulations , DIBP may lawfully be used in food

packaging as an adhesive constituent.

In manufacturing of footwear & hose pipes.

Packing & Storage DIBP is packed in 200/225 kg iron drum / HDPE drum, 20 - 22 MT in Flexi tank /

ISO tank / road tanker. It is stored in tightly closed container, in a cool, dry

Shelf Life Original characteristics remain intact 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 DIBP, 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.

Total Solution in Plasticizers