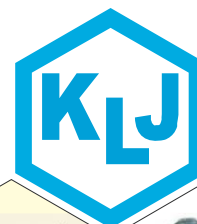


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KANATOL - 400 (N)

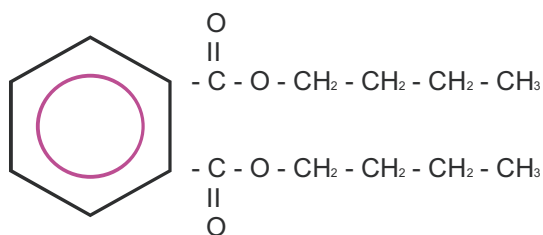
DI-n-BUTYL PHTHALATE (DnBP)

Primary plasticizer for PVC and PVC copolymers

Chemical Nature

Phthalic acid ester of Normal butyl alcohol

Chemical Name :- DI-n-Butyl Phthalate
 Trade Name :- DNBP
 Molecular Formula :- C₁₆H₂₂O₄
 Molecular Weight :- 278
 Molecular Structure :- C₆H₄(CO₂ C₄H₉)₂



CAS Number :- 84-74-2
 UN. NO :- 3082
 EINECS NO :- 201-557-4

Specification

Characteristics

Colour HU
 Volatile Loss (110°C/2Hrs) wt.%
 Ester Value mg KOH/g
 Acidity wt.%
 Moisture wt.%
 Specific Gravity (27°C) -
 Ester content wt.%
 Heat Stability (150°C/2Hrs) HU
 Acidity after heat treatment wt.%
 Plasticizing Esters by GC %by area
 Residual alcohol %by area

Unit

Test Method

Value

ASTM-D-1045-86 20 max.
 KLJTM 0.10max.
 ASTM-D-1045-86 401-405
 ASTM-D-1045-86 0.010 max.
 ASTM-E-203 0.10 max.
 ASTM-D-1045-86 1.041 – 1.045
 ASTM-D-1045-86 99.50min.
 ISI-9591-96 No Change
 ASTM-D-1045-86 0.03
 KLJTM 99.50min.
 KLJTM 0.05 max..

Typical Properties

Boiling Point @ 1.013 hpa °C lit. 340
 Pour point °C lit. - 69
 Viscosity at 20°C cp KLJTM 21 ± 2
 Flash Point °C KLJTM 168
 Refractive Index (27°C) -- ASTM-D-1045-86 1.490 – 1.492

Total Solution in Plasticizers

Contact: plasticizer@kljindia.com

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KANATOL - 400 (N)

Properties

DBP is almost colourless, odourless or slight aromatic, ester odour oily liquid, free of foreign materials .

Application

Plasticization of vinyl resins and other kinds of polymers in production of cable flexible PVC, artificial leather, rubber products, polymeric building materials, linoleum, film and sheet/plate materials, packing films, PVC gaskets etc.

Used primarily as a plasticizer for nitrocellulose, polyvinyl acetate and polyvinyl Chloride.

Used in platisol formulation for carpet back coating and other vinyl compounds in the manufacture of various paints, varnishes and lacquers, medical supplies ,safety glass for automobiles, cosmetics, such as nail polishes and paper coating, textile lubricant agent, insect repellent for impregnation of clothing, concrete additive, solvent for perfume oils, perfume fixative, stabilizer in rocket propellants , in adhesive, in printing inks, footwear, Hose pipes.

Packing & Storage

DnBP 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, ventilated area.

Shelf Life

Original characteristics remain intact for 24 months, if kept in recommended

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 DnBP, 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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