

KLJ Group

Trust built on performance



KANATOL - 8020



Kanatol - 8020

Chemical Nature Phthalate free ester

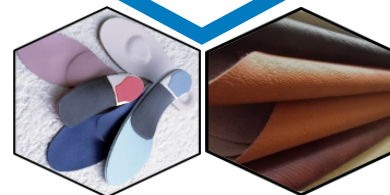
| | |
|-------------------|------------------------------|
| Trade Name | : Kanatol-8020 |
| Molecular Formula | : Proprietary |
| Molecular Weight | : 368.12 g/mole |
| CAS No. | : 6422-86-2 (70-85%) |
| CAS No. | : Proprietary ester (15-30%) |
| UN No. | : Not Applicable |
| EINECS No. | : 229-176-9 (70-85%) |
| EINECS No. | : Proprietary ester (15-30%) |

| Specification | Characteristics | Unit | Test Method | Value |
|---------------|----------------------------|-----------|-------------------|---------------|
| | Colour | HU APHA | ASTM-D-1045-2008 | Max. 20 |
| | Volatile loss (130°C/3h) | Wt. % | KLJ-TM-P-11-92 | Max. 0.20 |
| | Ester Value | mg KOH g | ASTM-D-1045-2008 | 300-306 |
| | Acidity | Wt. % | ASTM-D-1045-2008 | Max. 0.010 |
| | Moisture | Wt. % | ASTM-E-203-2008 | Max. 0.1 |
| | Specific Gravity at 27 °C | --- | ASTM-D-1045-2008 | 0.990 ± 0.003 |
| | Heat stability (180°C/2h) | HU APHA | ISI – 9591 – 2003 | No change |
| | Plasticizing esters by GLC | area % | KLJ-TM-P-12-98 | Min. 99.50 |

Typical Properties

| | | | |
|---------------------------|-----|------------------|---------------|
| Refractive index at 27 °C | --- | ASTM-D-1045-2008 | 1.488 ± 0.003 |
|---------------------------|-----|------------------|---------------|

Total Solution in Plasticizers



KANATOL-8020

Properties

Kanatol-8020 is transparent liquid with stability and soluble in most of organics solvent.

Application

Easily dissolved with PVC, it can present products with good light resistance, heat resistance, degradation resistance. Finds applications as non-Carcinogen plasticizer in application where fast fusion is prime requirement in application like medical material, artificial leather, Low plasticizer dosage-based Plastisol for Latherites, Inner shoe sole coatings etc. As a Non-Phthalate replacement of DINP/DOP.

K-8020 can be replaced with DINP/DOP because of better fusion time, Good Flexing behavior of finished product.

Having excellent properties of water fastness, low toxicity and degradation resistance than DOP/DINP. It can lubricate itself because of structural characteristics. Preparing plastisol with K-8020 consumes shorter time and less energy

Plasticizing Efficiency

0.96

Compatibility with secondary plasticizers

Not compatible with secondary plasticizers.

Packing & Storage

K-8020 is packed in 200/225 kg iron drum/ HDPE drum, 20–22 fcl flexi tank or in road tanker. It should be stored in a cool, dry and 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 **K-8020**, 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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