

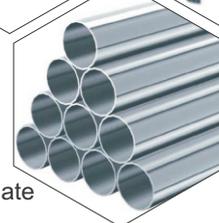
KLJ Group

Trust built on performance

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EWING NJ 08638-3204 USA 609-695-6211/800-257-9365

Orders@reccarroll.com



KANATOL - 8080

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Primary plasticizer for PVC and PVC copolymers

Chemical Nature 1, 4 Benzenedicarboxylic acid ester of C₈alcohol

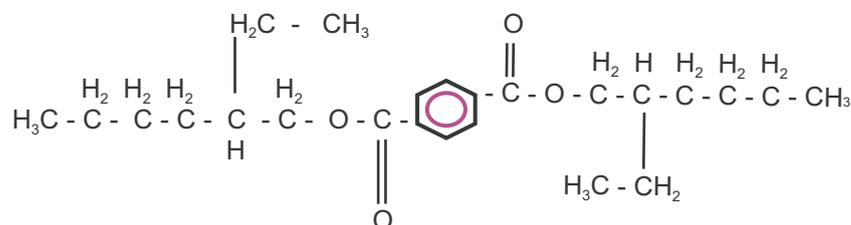
Chemical name :- Di-(2-ethylhexyl) 1,4 benzene di carboxylate

Trade Name :- KANATOL- 8080

Molecular Formula :- C₂₄H₃₈O₄

Molecular weight :- 390

Molecular Structure :- C₆H₄-1,4-[CO₂CH₂CH(C₂H₅)(CH₂)₃CH₃]₂



CAS Number :- 6422-86-2

UN. NO :-

EINECS NO :- 229-176-9

Specification

Characteristics

Unit

Test Method

Value

Colour	HU	ASTM-D-1045-86	20 max.
Volatile Loss (130°C/3Hrs)	wt. %	KLJTM	0.10 max.
Ester Value	mg KOH/g	ASTM-D-1045-86	284-290
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	0.980-0.986
Ester content	wt. %	ASTM-D-1045-86	99.50 min.
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	99.50 min.
Residual alcohol	%by area	KLJTM	0.10 max.

Typical Properties

Volume Resistivity	Ohmcm	KLJTM	5.5 ± 1.0 X 10 ¹¹
Boiling Point	°C	lit.	400
Pour point	°C	lit.	-50°C
Viscosity at 20°C	cp	KLJTM	63 ± 2
Flash Point (COC)	°C	KLJTM	> 210
Refractive Index (27°C)	--	ASTM-D-1045-86	1.484 - 1.489

Total Solution in Plasticizers

Contact: plasticizer@kljindia.com

An ISO 9001:2000 and ISO 14001:2004 conglomerate

www.kljindia.com



KANATOL - 8080

Properties

Kanatol-8080 is transparent liquid with stability and is soluble in most organics solvent.

Kanatol-8080 is used in a lot of European countries in application where human body is directly in contact with material like toys, nappy, medical material, artificial leather, water pipe. **Kanatol-8080** is not limited as carcinogen DOP. You can add your products as NON CARCINOGEN PRODUCT.

It has different structure than phthalic based plasticizers. As a result of this migration is lower. The materials, which are made with **K-8080**, are more resistant to most of hydrocarbons.

It has lower flexibility because of its structure and this decreases fragility.

It can lubricate itself because of structural characteristics. Preparing plastisol with **K-8080** consumes shorter time and less energy.

K-8080 can be replaced with DINP/DIDP because of lower volatile losses. Preferable plasticizer for producing cable with excellent electrical specialities.

Application

KANATOL-8080 is a primary plasticizes for soft PVC products and is recommended to be used in high –temperature cable and wire.

KANATOL-8080 used in vinyl gloves, wall covering, vinyl flooring, carpet & novelties and synthetic rubber.

Plasticizing Efficiency 1.03

Compatibility with Secondary Plasticizers

Not compatible with secondary plasticizers.

Packing & Storage

KANATOL-8080 is packed in 200/225 kg iron drum / HDPE drum, 20 - 22 fcl flexi tank 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-8080**, 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.

Total Solution in Plasticizers