



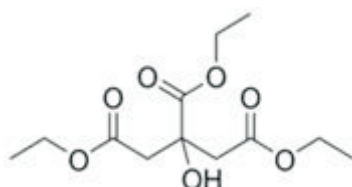
KANATOL - 3200 C



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Phthalate free Solvent for Cosmetic, Perfumes & Cellulose Compounds

Chemical Nature	Citric acid ester of Ethanol		
Chemical Name	:-	Tri Ethyl Citrate	
Trade Name	:-	KANATOL - 3200 C	
Molecular Formula	:-	$C_{12}H_{20}O_7$	
Molecular Weight	:-	276.3	
Molecular Structure	:-	$(C_2H_5COO)_3 \cdot (C_3H_4OH)$	



CAS Number	:-	77-93-0
UN. NO	:-	
EINECS NO	:-	201-070-7

Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-08	40 max.
	Volatile Loss (110°C/1Hrs)	wt. %	KLJTM	0.30 max.
	Ester Value	mg KOH/g	ASTM-D-1045-08	516 – 522
	Acidity	wt. %	ASTM-D-1045-08	0.02 max.
	Moisture	wt. %	ASTM-E-203-08	0.30 max.
	Specific Gravity (27°C)	-	ASTM-D-1045-08	1.134 – 1.140.
	Ester content	wt. %	ASTM-D-1045-08	99.00 min.
	Heat Stability (150°C/2Hrs)	HU	ISI-9591-03	45 HU
	Acidity after heat treatment	wt. %	ISI-9591-03	0.06
	Plasticizing Esters by GC	% by area	KLJTM	99.00 min.
	Residual alcohol	% by area	KLJTM	0.020 max.

Typical Properties

Boiling Point @ 1.33 mbar	°c	lit.	127
Viscosity at 25°C	cp	KLJTM	35 ± 3
Flash Point (COC)	°C	KLJTM	150
Refractive Index (27°C)	-	ASTM-D-1045-08	1.442 1.448

Total Solution in Plasticizers



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Properties

K-3200C is a colorless, transparent oily liquid, slight sweet odour. It helps to get Insoluble Organic UV filters dispersed in high concentrations.

Applications

- As a solvent, diluent and fixative by the perfumers.
- An excellent active agent for Deodorants as it inhibits the enzymatic decomposition of the sweat components.
- A Phthalate free solvent for Cellulose/Cellulose compounds & paints.
- **K-3200C** itself is a permitted food additive (E1505) as a carrier for flavors.
- In the manufacture of insecticides and mosquito repellants.
- As alcohol denaturant.
- Excellently compatible with new resin systems used in the manufacture of low volatile hair sprays.
- In modern sun cream formulations.
- **K-3200C** is approved within the relevant pharmacopoeia. It is used for medical and pharmaceutical applications. Enteric coatings for controlled release tablets with **K-3200C** provide an optimized glass transition temperature which allows lower levels of addition.

Packing & Storage

K-3200C 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, isolate from incompatible substance.

SelfLife

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 **K-3200C**, 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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