



KANATOL - 3400C

KANATOL - 3400C Primary plasticizer for PVC and PVC copolymers

Chemical Nature Citric acid ester of C₄ alcohol

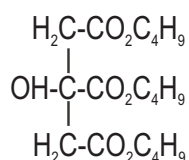
Chemical Name :- 2-Hydroxy-1,2,3-Propanetricarboxylic Acid
Tributyl Ester

Trade Name :- KANATOL - 3400C

Molecular Formula :- C₁₈H₃₂O₇

Molecular Weight :- 360.4

Molecular Structure :- (C₄H₉COO)₃ (C₃H₄OH)



CAS Number :- 77-94-1

UN. No :-

EINECS :- 201-071-2

Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-86	50 max.
	Volatile Loss (130°C/3Hrs)	wt. %	KLJTM	0.40 max.
	Ester Value	mg KOH/g	ASTM-D-1045-86	465-471
	Acidity	wt. %	ASTM-D-1045-86	0.020 max.
	Moisture	wt. %	ASTM-E-203	0.30 max.
	Specific Gravity (27°C)	-	ASTM-D-1045-86	1.037-1.047
	Ester content	wt. %	ASTM-D-1045-86	99.00min.
	Heat Stability (150°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	99.00min.
	Residual alcohol	%by area	KLJTM	0.10 max.

Typical Properties

Boiling Point @ 7 mbar	°C	lit.	170
Pour Point	°C	lit.	-62
Viscosity at 20°C	cp	KLJTM	33-35
Flash Point	°C	KLJTM	184
Refractive Index (27°C)	-	ASTM-D-1045-86	1.440-1.446

Total Solution in Plasticizers



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Properties

K-3400C is almost colourless and odourless oily liquid, free of foreign materials which is soluble in water but soluble in alcohols and organic solvents and is miscible and compatible with all the monomeric plasticizers of PVC compounding.

Application

1. Main plasticizer of polyvinyl chloride for food packing and medical products.
2. Main plasticizer of vinyl chloride-vinylidene chloride copolymer for food-packing and precise instrument packing.
3. Plasticizer of vinyl chloride-vinyl acetate copolymer.
4. Plasticizer of sustained-release pharmaceutical tablets.
5. Plasticizer of latex adhesives.
6. Lubricating oil for surface treatment of tinplate.
7. In manufacturing of toys and safety glasses.

Packing & Storage

K-3400C 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 minimum 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 **K-3400C**, 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.