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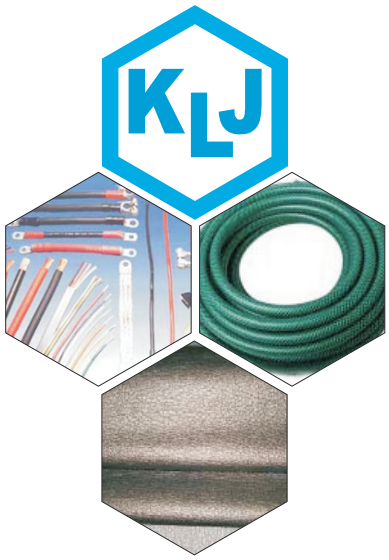

KANACHLOR

CHLORINATED PARAFFIN
Secondary plasticizer for PVC and PVC copolymers

Chemical nature

Chemical name	:-	CHLORINATED PARAFFIN
Grades	:-	CP-40% to CP-68%
Molecular Formula	:-	
Molecular weight	:-	340 - 550 g/mole
Molecular Structure	:-	(For CP -52%)

$$CH_3\text{-}CH\text{-}Cl\text{-}CH_2\text{-}CH\text{-}Cl\text{-}CH_2\text{-}CH\text{-}Cl\text{-}CH_2\text{-}CH\text{-}Cl\text{-}CH_2\text{-}CH\text{-}Cl\text{-}CH_2\text{-}CH\text{-}Cl\text{-}CH_2\text{-}CH_3$$

CAS Number	:-	85535-85-9
EINECS NO.	:-	287-477-0

Specification

Characteristics	Unit	Test Method	Value
Colour	HU	ASTM-D-1045-86	60 max.
Specific Gravity (27°C)	-	ASTM-D-1045	1.10 1.55.
Chlorine Content	%	ISI-1448-77	40.0 - 68.0.
Viscosity at 27°C	Poise	Brook Field Viscometer	0.50 - 1500.
Free Mineral Acidity	%	KLJ/QC/CP-03	0.010 max.
Free Chlorine	%	ISI-9189-79	NIL
Volatile Loss (180°C/ 4Hrs)	wt.%	KOR/QCD/FP-1.7	0.50 - 4.00.
Heat Stability (180°C/ 20 Min.)		KOR/QCD/FP-1.9	YELLOW
Thermal Stability (175°C/ 4Hrs)	%	KOR/QCD/FP-1.8	0.10 max.

Properties

There are various grades of CP (Chlorinated Paraffin) in respect of % of chlorination from 40% to 68%. All grades of CP are colorless to slight yellowish oily viscous liquid, free of foreign materials. Viscosity increases with increase in % of chlorine. All grades of CP are insoluble in water but soluble in benzene toluene etc. and have extremely low vapor pressure.

Advantages

There are four main advantages while using KLJ CPW.

I) Very light colour.
II) Excellent Thermal & Heat Stability.
III) Wide variety of grades available for different end uses.
IV) Consistent quality due to availability of adequate stocks of appropriate raw materials.

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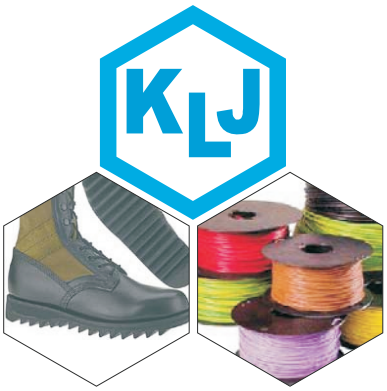

Application

Major application for CP is as a secondry plasticizer, generally used in conjunction with some primary plasticizer such as DOP, DINP, DBP, etc. It imparts a number of technical benefits to flexible PVC, out of which the most significant is the enhancement of flame retardant properties for PVC flooring and Cable.

CP is also recognized as one of the most effective additives for lubricants used in of a wide range machining and engineering operations.

Packing & Storage

CPW is packed in 250/265 kg HDPE drum / Iron drum, 20 - 22 fcl Flexi tank/ISO tank/road tanker. It is stored in tightly closed container, in a cool, dry & ventilated area.

Shelf life

Original characteristics remains intact for a period of 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 CPW, 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.