



The Industrial Waste Professionals™

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What Are Chlorinated Paraffins?

Chlorinated paraffins are chlorination products of n-alkane fractions within the range of C₁₄-C₁₇ with the chlorine contents of 40-64 wt. %. The individual CPN types are identified in such a way, that the first two digits following letters CPN stand for the contents of bound chlorine in wt. % and the second two digits after the hyphen give the starting composition of the n-alkane fraction expressed by the number of carbons of the carbon chain of the prevalent n-alkane constituent.

CPN Type	CAS Number	EINECS Number
CPN 40-15	85535-85-9	287-477-0
CPN 45-15	85535-85-9	287-477-0
CPN 52-15	85535-85-9	287-477-0

PROPERTIES

Chlorinated paraffins are viscous liquids of yellow to yellow-brown colour, characteristic smell, without mechanical impurities and water. They are soluble in aliphatic and aromatic hydrocarbons, ketones, esters and dry oils. They are insoluble in water, glycerine and glycols. Stabilised chlorinated paraffins are chemically inert.

Contents of bound chlorine and dynamic viscosity values of individual CPN types are given in the following table:

CPN Type	% Wt. of Chlorine	Dynamic Viscosities at 50 °C (mPa.s)
CPN 40-15	42,5 - 44,0	16 - 22
CPN 45-15	45,0 - 47,5	35 - 60
CPN 52-15	51,5 - 54,0	150 - 250