



R K PETROLEUMS

Where Quality Comes First



LIGHT LIQUID PARAFFIN

CONTENTS:

ARKO LIGHT LIQUID PARAFFIN

3



ARKO LIGHT LIQUID PARAFFIN

ARKO Light Liquid Paraffin Oils are produced from highly refined hydro-cracked / hydro-treated base oil with a high degree of purity to meet IP / BP / USP standards. They have excellent oxidation / UV stability and are suitable for application in pharmaceuticals, cosmetics and food industries for direct and indirect food contact.

Transparent and colorless property of light liquid paraffin makes it widely used petroleum product. Cosmetic industry is main consumer of light liquid paraffin in their product developments like baby oils, Cream, lotions, hair oils, lipstick, ointments and eye make-up. The second largest consumer is pharmaceutical companies they used light liquid paraffin in eye ointment, laxatives, antiseptic creams & medicated oils. It is also used in food industry as a cooking foil production, tobacco processing, and food packaging material. There are other miscellaneous usages of light liquid paraffin in hot melt, plastic production, fiber emulsion, paint stripper, furniture polishing, insecticides perfume, rubber & tyre production, lubricant, solvents, silicon oils and dust control cleaning oils.

TYPICAL CHARACTERISTICS:

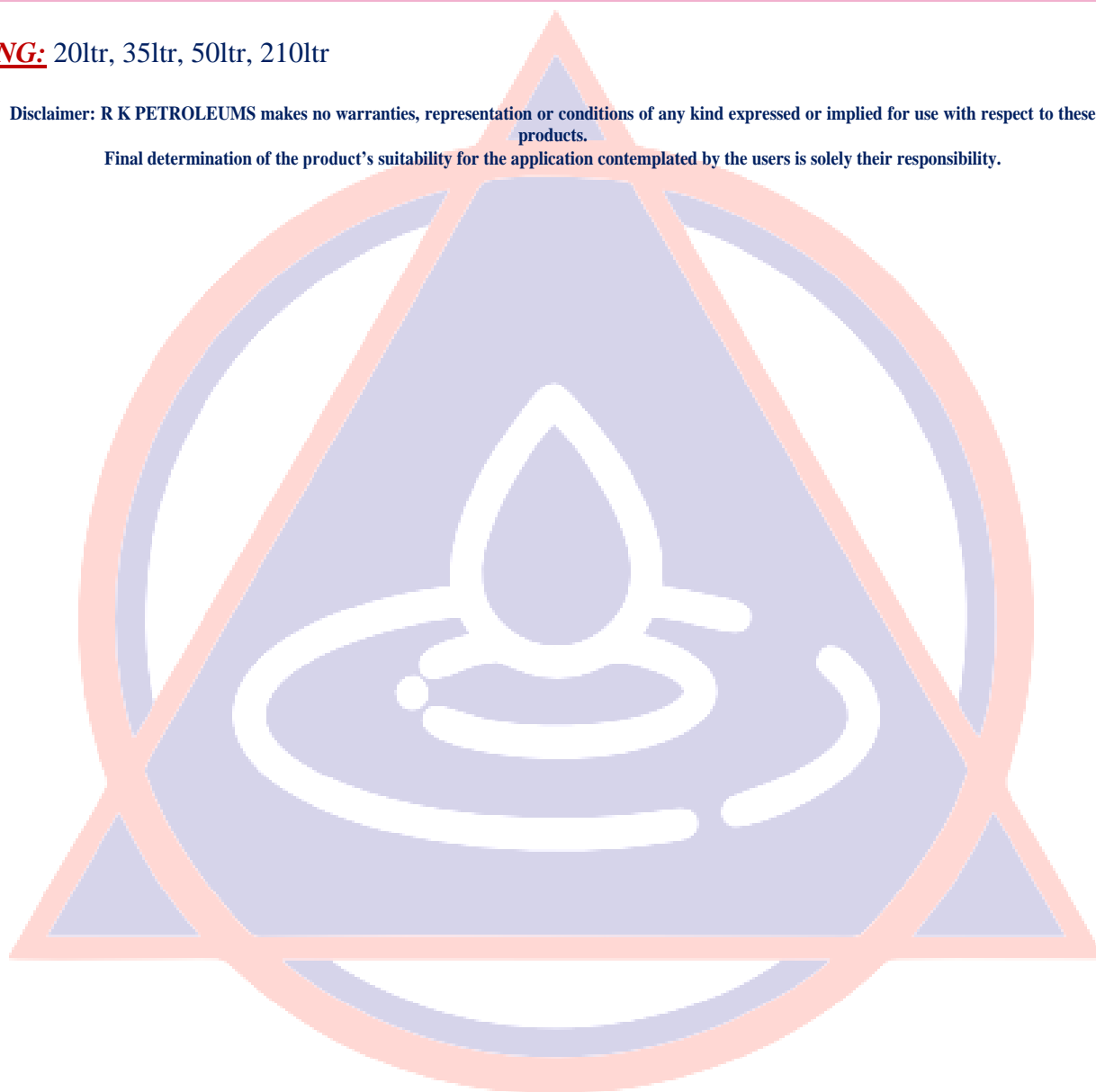
Sr. No.	Characteristics	As per IP standards	As per BP standards	As per USP standards
1	Description / appearance	Colourless, transparent, oily liquid; free from fluorescence in daylight; almost odourless when cold	Colourless, transparent, oily liquid; free from fluorescence in daylight	Colourless, transparent, oily liquid; free from fluorescence in daylight
2	Solubility	Soluble in chloroform, ether and light petroleum (boiling range 40 – 60 °C); practically insoluble in water and ethanol (95%); miscible with fixed / volatile oils	Practically insoluble in water; partly soluble in ethanol (96%); miscible with hydrocarbons	Insoluble in water and alcohol; soluble in volatile oils; miscible with most fixed oils except castor oil
3	Identification	—	A) Infrared absorption spectrum is concordant with the reference spectrum of liquid paraffin. B) Red in aqueous phase C) Complies with viscosity test	A) Infrared Absorption: Reference Standard B) — C) Complies with viscosity test
4	Specific gravity at 25 °C	—	—	0.818 min. 0.880 max.
5	Viscosity at 40 °C, mm²/s	—	—	3 min. 34.4 max.
6	Acidity / alkalinity	Not more than 0.1 ml of 0.1 M sodium hydroxide is required to change the colourless solution into pink	Not more than 0.1 ml of 0.1 M sodium hydroxide is required	Not more than 1 ml of 0.01 N sodium hydroxide required to change colour of indicator to pink
7	Relative density	0.810 – 0.875	0.810 – 0.875	
8	Viscosity	—	25 – 80 mPa.s	
9	Dynamic viscosity at 20 °C	25 – 80 mPa.s	—	—
10	Polycyclic aromatic hydrocarbons	—	Absorbance of test solution remains < 1/3rd that of reference solution at 275 nm,	Pass as per USP

			throughout 260 – 420 nm wavelengths	
11	Weight per ml at 25 °C	0.820 to 0.880 g	—	—
12	Light absorption at 240 – 280 nm	0.1 max.	—	—
13	Readily carbonisable substance	Complies	Complies	Complies
14	Solid paraffins	Complies	Complies	Complies
15	Sulphur compound	Complies	—	Complies
16	Specific gravity	0.860 – 0.904	—	—

PACKING: 20ltr, 35ltr, 50ltr, 210ltr

Disclaimer: R K PETROLEUMS makes no warranties, representation or conditions of any kind expressed or implied for use with respect to these products.

Final determination of the product's suitability for the application contemplated by the users is solely their responsibility.





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- ❖ MACHINE OILS
- ❖ SILICONE EMULSION
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- ❖ L.D.O & FURNACE OIL
- ❖ RUBBER PROCESS OILS
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- ❖ PETROLEUM JELLY
- ❖ WAXES
- ❖ INDUSTRIAL SOLVENTS
- ❖ PLASTISIZERS
- ❖ ALL TYPES OF RAW RUBBER

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