

# MAK ULPO

Environment friendly high quality light paraffinic oil

MAK ULPO (Ultra Light Liquid Paraffinic Oil) is a very high purity white mineral oil manufactured from highly refined hydro-treated base oils. It is produced from materials meeting stringent NSF H1 criteria for food contact. It is odorless and transparent in colour. The severe refinement process virtually removes all sulfur, nitrogen, heavy metals, unsaturated substances and aromatics content and thus making it an environment friendly product. MAK ULPO offers properties such as good lubricity, smoothness and resistance to moisture in the formulations. This oil has excellent UV stability and is also free from fluorescence in daylight. It is not toxic and has excellent biodegradability.

**Applications:**

MAK ULPO is used for a wide variety of applications in various industries requiring high purity white oils with high performance. They find application in personal care/cosmetic industries for hair oil, facial creams, hair creams, lotions, Incense & perfume manufacturing industries, petroleum jelly manufacturing industries, Perfumery, Agrochemicals, Aerosols, pharmaceutical industries for ointments, Adhesive, Defoamers, carrier oil for mosquito repellent, Ammonium Nitrate Fuel Oil (ANFO) formulations and emulsion etc.

**Performance/ Benefits:**

**Highly Saturated Composition** – very high saturates content, insignificant amount of unsaturates, aromatics and sulphur.

**High Transparency** – colourless and transparent oil free from fluorescence by daylight. Outstanding UV and thermal colour stability.

**No-Odor** – highly pure white mineral oil produces no odor.

**Low Pour Point** – excellent low temperature performance.

**Low Volatility** – high quality hydro treated base oil possesses low volatility and reduces oil consumption.

**Non-Toxic & Non-Carcinogenic** – virtual absence of Polycyclic Aromatic (PCA/ PHA).

**Environment Friendly** – almost nil aromatic and sulphur content makes it environment friendly.

**Specification:**

- Proprietary Grade

**Typical Physico-Chemical Data: MAK ULPO**

Characteristics	Method	Value
Appearance	Visual	Clear
Colour	ASTM D1500	L 0.5
Density, g/cc @15°C	ASTM D1298	0.814
Copper Corrosion, 100°C, 3 hrs.	ASTM D130	1a
Pour Point, °C,	ASTM D97	-30
Flash Point, COC, °C	ASTM D92	102
Kinematic Viscosity @40°C, cSt	ASTM D445	2.4
Distillation, IBP °C	ASTM D86	210
Aniline Point, °C	ASTM D611	78
Aromatics, %m	ASTM D2140	<0.1

**Storage & Handling:**

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing and store under protected storage conditions.

**Health & Safety:**

It is unlikely to be hazardous when properly used in recommended applications. Contamination of the oil from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.