



ELITE COSMOS 0W40

AUTOMOTIVE

Description

Synthetic lubricant, especially designed to satisfy the high performance required by high-end vehicle engines (including such prestigious manufacturers as Mercedes Benz, BMW, Porsche and Audi). Stands out for its specific long-life properties. Its viscosity and state of the art components provide exceptional engine protection under the most extreme environmental and operating conditions. Indispensable in state of the art vehicles for optimum performance.

Properties

- Its viscosity facilitates start-up, especially at very low temperatures, thereby preventing premature engine wear.
- Tests conducted show high resistance to oxidation and minimum sludge and waste formation, ensuring engine cleanliness and life.
- Recommended for high-end GTs and particularly for Volkswagen W8 and W12 engines.
- Its high thermal stability and the synthetic nature of its composition allow for longer periods between oil changes and minimises lubricant consumption

Quality level

- MB 229.3
- BMW LL-98
- VW 502.00/505.00/503.01
- PORSCHE A40

Technical Characteristics

	UNIT	METHOD	VALUE
SAE GRADE			0W40
Density at 15°C	g/ml	ASTM D 4052	0,865
Viscosity at 100°C	cSt	ASTM D 445	13,5
Viscosity at 40°C	cSt	ASTM D 445	75
Viscosity at -35°C	cP	ASTM D 5293	6200 max
Viscosity rate	-	ASTM D 2270	175 minimum
Flash point, open cup	°C	ASTM D 92	215 minimum
Pour point	°C	ASTM D 97	-45
T.B.N.	mg KOH/g	ASTM D 2896	10,6
Sulphated ashes	% in weight	ASTM D 874	1,2
Bosch Injector Shearing:			
Viscosity at 100°C after shearing	cSt	CEC-L14-93	12.5 minimum
Noack volatility, 1hr at 250°C	% in weight	CEC-L40-93	12 maximum

■ Hazard identification

This product is not classified as toxic or hazardous under current legislation.

■ Handling

Minimum precautions should be taken to avoid prolonged contact with the skin. The use of gloves, visors or glasses is recommended to avoid splashing.

■ Health and safety hazards

Inhalation: As this product has low volatility, the risk of inhalation is minimal.

Ingestion: Do not induce vomiting. Provide water. Request medical help.

Contact with the skin: Wash with plenty of water and soap.

Eyes: Wash with plenty of water.

General measures: Request medical help.

■ Firefighting measures

No special measures required.

Fire control: Foams, dry chemicals, CO₂, water spray. Do not apply the jet of water directly as this may cause the product to disperse.

■ Environmental precautions

Danger of physical pollution if spilt (watercourses, coastlines, soils, etc.) due to its buoyancy and oily consistency, which may harm flora and fauna on contact. Prevent material from getting into water outlets.

Decontamination and cleaning: Treat as an accidental oil spillage. Avoid dispersion with mechanical safeguards and remove with physical or chemical means.

A safety data file is available on request.

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Unless otherwise indicated, the figures cited in the technical characteristics should be considered typical

Technical data sheet for Lubricants. Review 3 March 2011.