



ELITE FORMULA SM 15W50

ELITE

■ Description

Excellent performance engine oil specially formulated to provide high level of protection for the engines that operates at severe driving condition. It is formulated from highly refined base oils combined with selected additives to deliver exceptional thermal and oxidation stability that reduces oil thickening at high temperature, minimizes engine wear and shear and helps to control the formation of deposits and sludge. It is recommended for all types of high performance gasoline and light duty diesel vehicles. Besides, it is also suitable for engines which requiring lower performance levels such as API SL, SJ, SH and SG.

■ Properties

- Selected formulation to provide exceptional engine protection.
- Help to control the formation of sludge and deposits.
- Very good thermal and oxidation stability which reduce oil ageing.
- Excellent shear stability to retain viscosity at high temperature.

■ Quality levels

- API SM/CF

■ Technical specifications

	UNIT	METHOD	VALUE
SAE grade		-	15W50
Density @ 15°C	g/cm ³	ASTM D 4052	0.874
Viscosity @ 100°C	cSt	ASTM D 445	18.0
Viscosity @ 40°C	cSt	ASTM D 445	133.0
Viscosity @ -20°C	cP	ASTM D 5293	7000 max
Viscosity Index	-	ASTM D 2270	151
Flash Point, open cup	°C	ASTM D 92	210 min
Pour Point	°C	ASTM D 97	-27 max
T. B. N.	mg KOH/g	ASTM D 2896	7.0

■ Hazard identification

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

■ Handling

Certain minimum precautions to avoid prolonged contact with the skin should be taken when handling. The use of gloves, visors or masks is recommended in order to avoid splashes.

■ Health and Safety Hazards

Inhalation: Low-volatility product, therefore the risk from inhalation is minimal.

Ingestion: Do not provoke vomiting. Drink water. Seek medical assistance.

Contact with skin: Wash with abundant water and soap.

Eyes: Wash with abundant water.

General measures: Seek medical assistance.

■ Fire-fighting measures

No special measures are required.

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

■ Environmental precautions

Danger of physical contamination in case of spillage (watercourses, coastal areas, the ground, etc.) due to its floating capacity and oily consistency, which may cause damage to fauna and flora with which it comes into contact. Avoid its penetration into water containers or outlets.

Decontamination and cleaning: Treat as an accidental oil spillage. Avoid spreading by using mechanical barriers and eliminate using both physical and chemical means.

A safety information file is available on request.

This PDS is available at www.repsoloil.com.my.

For more information about Repsol please visit www.repsol.com

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