



CARTAGO

AUTOBLOCANTE EP

80W90

TRANSMISSIONS AND GEARBOXES

■ Description

It is an extreme pressure multigrade oil lubricant, recommended for use in limited slip differentials and drive axles for public works vehicles and four-wheel-drive all-terrain vehicles where fluids with LSD (limited slip differential) characteristics are needed. They may also be used in non-limited slip differentials which require an API GL-5 quality level.

■ Properties

- It incorporates a friction modifier that ensures the proper functioning of the vehicle's locking system.
- Proven effectiveness in severe conditions of high loads and abrupt decelerations, where the gears are subjected to heavy wear.
- High corrosion resistance demonstrated in trials conducted in the presence of water and high temperatures.
- Prevents foaming and ensures proper lubrication of components, avoiding premature wear.
- Its additivation incorporates technology backed by thousands of miles of trouble-free operation.

■ Quality level

- API GL-5
- ZF TE-ML 05C/07A/08/12C/21C

■ Technical characteristics

	UNIT	METHOD	VALUE
SAE Grade			80W90
Density at 15°C	g/ml	ASTM D 4052	0.902
Viscosity at 100°C	cSt	ASTM D 445	16.3
Viscosity at 40°C	cSt	ASTM D 445	150
Viscosity at -26°C	cP	ASTM D 2983	150,000 max.
Viscosity index	-	ASTM D 2270	113
Ignition point, V/A	°C	ASTM D 92	180 minimum
Pour point	°C	ASTM D 97	-30
FZG, Step 12		DIN 51354	Pass
4 Balls, ICD		ASTM D 2783	50 minimum

■ 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 skin. The use of gloves, masks and goggles is recommended to avoid splashes.

■ Health and safety hazards

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

Ingestion: Does not provoke vomiting. Provide water. Seek medical help.

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

Eyes: Wash with plenty of water.

General measures: Seek medical help.

■ Firefighting measures

No special measures are required.

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

■ Environmental precautions

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

Decontamination and cleaning: Treat as an accidental oil spillage. Prevent dispersion using mechanical barriers and remove by physical or chemical means.

A safety information file is available on request.

repsol.com

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