



# MIXFLEET 20W50

## ■ Description

High performance multigrade oil suitable for both gasoline and diesel engines. The quality of MIXFLEET make it versatile for use in professional and passenger transport fleets, earth moving machinery and agricultural fleets. It is formulated from highly refined base oils fortified with selected additives to provide reliable protection for diesel engines which operate at severe on-and off-highway applications.

## ■ Properties

- Its detergent-dispersant level facilitates engine cleaning, maintaining sludge and carbon deposits in suspension, thus preventing their being deposited in segments, pistons and lubrication conduits.
- Multigrade oil which facilitates cold starts and it is climatically very versatile.
- Excellent rust and corrosion protection to protect critical engine parts.
- Excellent anti-wear properties which minimise friction and longer the engine life.
- Reduces lubricant consumption, particularly grade 20W50.

## ■ Quality levels

- API CF-4 /SG

## ■ Technical characteristics

	UNIT	METHOD	VALUE
SAE Grade			20W50
Density @ 15°C	g/cm <sup>3</sup>	ASTM D 4052	0.893
Viscosity @ 100°C	cSt	ASTM D 445	18.3
Viscosity @ 40°C	cSt	ASTM D 445	167.0
Viscosity index		ASTM D 2270	122
Viscosity @ -15°C	cP	ASTM D5293	9500 max
Flash point, open cup	°C	ASTM D 92	210 min
Pour point	°C	ASTM D 97	-18 max
T. B. N.	mg KOH/g	ASTM D 2896	6.2

## ■ Hazard identification

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

## ■ Handling

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

## ■ Health and Safety Hazards

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**Inhalation:** Given that it is not a particularly volatile product, the risk of inhalation is minimal.

**Ingestion:** Do not induce vomiting. Provide water. Seek medical advice.

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

**Eyes:** Wash thoroughly with water.

**General measures:** Seek medical advice.

## ■ Fire-fighting measures

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No special measures required.

**Fire-extinguishing measures:** Foams, dry chemicals, CO<sub>2</sub>, water spray. Do not apply the jet of water directly as this could cause the product to disperse.

## ■ Environmental precautions

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

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

A safety information file is available on request.

This PDS is available at [www.repsoloil.com.my](http://www.repsoloil.com.my).

For more information about Repsol please visit [www.repsol.com](http://www.repsol.com)

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