



MULTIGRADO TÉRMICO

INDUSTRY

Description

Specially formulated fluid for use as a heat transfer oil. It is formulated with very refined base minerals, with special additives to achieve extraordinary resistance to oxidation.

Recommended uses

This is an oil specifically for use in closed circuit, pumped flow heat transmission systems where maximum working temperatures are approximately 300° C.

Properties

- Great thermal stability and resistance to oxidation.
- Long service life.
- Wide range of operating temperatures.
- Easy temperature control.
- Good heat transfer rate.
- Low steam pressure.
- Low tendency to form carbonaceous residue.
- Not corrosive.

Quality level

- ISO 6743/12-Q
- DIN 51502-Q

Technical characteristics

	UNIT	METHOD	VALUE
Density at 15°C	g/ml	ASTM D 4052	0.875
Viscosity at 40°C	cSt	ASTM D 445	37
Viscosity at 100°C	cSt	ASTM D 445	5.8
Viscosity index	-	ASTM D 2270	102
Pour point	°C	ASTM D 97	-12
Flash point	°C	ASTM D 92	220
Initial distillation point	°C	ASTM D 1160	360
TAN	mg KOH/g	ASTM D 664	0.4
TBN	mg KOH/g	ASTM D 2896	1.1
Thermal stability	°C	-	300

Available in

Bulk, 875 kg containers and 185 kg cans.

■ 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 splashes.

■ Health and Safety Hazards

Inhalation: In case of inhalation, move person outdoors. Request medical aid.

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

No special measures 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 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.

repsol.com

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