



Technical Data Sheet (TDS)

MD Oils Coolant/Antifreeze 30% OAT

DESCRIPTION

MD Oils Coolant/Antifreeze 30% OAT is a premium, ready-to-use antifreeze formulated with ethylene glycol and advanced Organic Acid Technology (OAT) corrosion inhibitors. Enriched with anti-cavitation, anti-lime, and anti-foam additives, it ensures efficient and long-lasting protection for modern internal combustion engine cooling systems, including aluminum and light alloys. Free from silicates, phosphates, and amines, it provides superior resistance against corrosion, cavitation, and overheating, while guaranteeing extended service life and full compatibility with multi-metal cooling circuits such as the engine, radiator, and water pump.

Mixing with other coolants is not recommended, as this may reduce product quality. So If using MD Oils Coolant/Antifreeze 30% for the first time, ensure that the cooling system has been adequately flushed with clean water

APPLICATIONS

- Suitable for all vehicle types and makes including cars, trucks and buses using both petrol and diesel engines.
- Recommended for modern cooling systems requiring OAT-based coolants.
- Compatible with aluminum and multi-metal radiators and water pumps.
- designed for use in engines employing cast iron, aluminum, copper or combinations of these metals used in modern engine designs.



PERFORMANCE FEATURES & BENEFITS

- Long-life protection against corrosion and cavitation.
- Environmentally friendly formulation (free from silicates, phosphates, borates, and amines).
- Prevents scale deposits from hard water, reducing the risk of radiator blockage and restricted coolant circulation
- Prevents scale formation and deposits.
- Extended service life: up to 5 years or 250,000 km.
- Excellent thermal stability and efficient heat transfer.

SPECIFICATIONS & APPROVALS

- Meets major international standards:
- UNE 26.361.88 - ASTM D3306 / D4985 - SAE J-1034 - BS 6580 (GB) - CUNA NC 956-16 - JIS K2234 - FVV HEFT R443 - AFNOR R15/601 - KSM 2142 - EMPA (CH)

Typical Characteristics

Properties	Unit	Test Method	Typical Values
Appearance	-	Visual	Clear liquid
Color	-	Visual	Red / Green
Odor	-	Sensory	Characteristic
pH at 20°C	-	ASTM D1287	7.5 – 9.5
Density at 20°C	g/cm ³	ASTM D4052	1.040 – 1.050
Solubility in water	-	-	100% soluble
Reserve Alkalinity (ml HCl N/10)	ml	ASTM D1121	7.2
Freezing Point	°C	ASTM D1177	-18 ± 1
Boiling Point	°C	ASTM D1120	+127