

RADIATOR HD



DESCRIPTION

RADIATOR HD is a high-performance ethylene-glycol coolant concentrate engineered for both heavy-duty diesel platforms and modern light-duty engines. Its advanced inhibitor package, featuring organic acids, borates, silicates, and nitrites, delivers robust protection against cavitation erosion, liner pitting, and multi-metal corrosion under extreme operating conditions. Formulated for optimal dilution with deionized or demineralized water, the concentrate maintains full stability even in the presence of hard-water ions and remains fully compatible with elastomers, polymers, and legacy coolant chemistries. When used as the exclusive coolant medium, it ensures superior thermal transfer efficiency, extended service intervals, and long-term system reliability, maximizing engine uptime and reducing total cost of ownership.

APPLICATIONS

RADIATOR HD delivers stable performance when diluted with deionized or demineralized water and remains effective across varying water qualities, including hard water. It is compatible with all coolant-system polymers and fully miscible with other coolants, though maximum protection and service life require exclusive use.

Not to be used in drinking water systems.

SPECIFICATIONS

AFNOR NF R15-601 (France)

SAE J 1034 (USA)

UNE 26-361 (Spain)

AS 2108

ASTM D4985

ASTM D6210

ASTM D3306 (USA)

Suitable for:

British Rail BR637

Fiat/Iveco

John Deere JDM H24

MAN 324

BS 6580: 2010 (UK)

NATO S-750

ONORM V 5123 (Austria)

CUNA NC 956-16 (Italy)

JIS K 2234 (Japan)

Cummins CES14603

JCB STD00088 (HD)

Leyland

PROPERTIES

RADIATOR HD delivers superior thermal stability, enabling efficient heat transfer and reliable engine cooling without risk of boil-over under demanding operating conditions. Its advanced multi-metal corrosion protection safeguards cast iron, aluminum, brass, copper, solder, and steel, while tailored concentrations provide dependable frost protection across diverse climates. The formulation incorporates high-performance antifoaming agents to maintain consistent coolant flow and system efficiency, complemented by state-of-the-art silicate stabilization technology that ensures exceptional compatibility with hard water and long-term coolant integrity.



TECHNICAL PRODUCT SHEET

APPLICATION TABLE

Antifreeze, % vol.	Protection down to...	Boiling Point, °C
33%	-20	104
50%	-40	108
58%	-70	110

PHYSICAL-CHEMICAL CHARACTERISTICS

RADIATOR HD	METHOD	
Density at 20°C, g/cm ³	ASTM D5931	1.130
pH (33% v/v. solution)	ASTM D1287	8.2
Boiling point, °C	ASTM D1120	170
Color		Blue

The abovementioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

