

# Engen Antifreeze & Summer Coolant

**Heavy Duty Concentrated Antifreeze and Cooling System Conditioner**



## Description

Engen Antifreeze & Summer Coolant is a superior quality concentrated antifreeze and cooling system Conditioner which exceeds most OEM requirements. It is ethylene glycol based and incorporates powerful additive technology to ensure year-round protection against freezing and corrosion. Its hybrid corrosion inhibitor package is based on organic acids and silicates.

Engen Antifreeze & Summer Coolant does not contain nitrites, amines or phosphates (NAP free). It meets the requirements of ASTM D 3306, ASTM D 4985, SAE J1034, AFNOR NF R 15-601, ONORM V 5123 and BS 6580: 1992.

## Benefits & Features

- Exceeds all major American, European, and Japanese OEM and Industry specifications.
- Excellent performance with extended oil drain intervals on low emission engines.
- Exceptional soot dispersancy, preventing deposits on critical engine components.
- Reduced evaporative loss of lubricant due to the selection high quality base oils.
- Excellent TBN retention effectively neutralising the acidic by-products of combustion.
- Superior deaeration and anti-foam characteristics for accurate operation of hydraulically actuated fuel injection systems.

## Application

Engen Antifreeze & Summer Coolant is designed to give the end user the choice of dilution ratios. The degree of protection will depend on the concentration used. The following dilutions are recommended,

- 1 litre of water to 1 litre of antifreeze protects down to -37°C and protects the cooling system from corrosion for up to 3 years.
- A mixture of 2 litres of water to 1 litre of antifreeze protects down to -18°C.
- For best protection against rust and corrosion, do not use more than 2 litres of water for every 1 litre of Engen Antifreeze & Summer Coolant.

It is strongly recommended that the cooling system be drained completely and flushed with clean water before being filled with a fresh charge of Engen Antifreeze & Summer Coolant mixture.

**Warning:** Harmful if swallowed. Keep out of the reach of children.

## Performance Level

Meets or exceeds the following Industry Standards:

- ASTM D3306
- ASTM D4985
- SAE J1034
- AFNOR NF R 15-601
- ONORM V 5123
- BS 6580 :1992

Meets or Exceeds Approvals & Specifications:

- MB-Approved 325.0
- MAN 324 NF
- VW/Audi TL 774-C
- BMW N 600 69.0
- MTU MTL 5048
- GM B 040 0240
- Saab 6901599
- Scania TB 1451
- KHD H-LV 0161 0188 1

## Typical Physical Characteristics

ENGEN ANTIFREEZE & SUMMER COOLANT			
PARAMETERS	METHODS	UNITS	TYPICAL VALUES
Density @ 20°C	ASTM D1122	Kg/l	1.134
Colour	Visual	-	Blue/Green
Ash Content	ASTM D1119	% m/m	1.2
Boiling Point @760 mm Hg	ASTM D1120	°C	185

*All technical data is provided for reference only. These characteristics are typical of current production. Whilst future production will conform to Engen's specification, variations in these characteristics may occur.*

11.2021

## Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil, or water. For further detail regarding storage, safe handling, and disposal of product, please refer to Product SDS. Safety Data Sheets are available for all our products and should be only be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility shall be taken by either Engen or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortious action, in connection or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representatives in the event you require any further information.

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