

# Product Information

A PRODUCT OF THE VALVOLINE COMPANY A DIVISION OF ASHLAND INC.



## Valvoline Antifreeze and Summer Coolant

### Description

**Valvoline Antifreeze and Summer Coolant** is a phosphate free, high quality mono-ethylene glycol based cooling system protector, recommended as an all-year-round coolant for liquid cooled engines even those predominantly aluminum.



### Advantages

- Protects against freezing from  $-36^{\circ}\text{C}$  and against boil-over to  $129^{\circ}\text{C}$  based on using a 103KPA radiator cap.
- Protects all cooling systems of water-cooled petrol and diesel engines, including aluminum cylinder heads.
- Compatible with all major brands of antifreeze and summer coolants.
- Will not harm gaskets, rubber hoses, and packings.
- Prevents foaming and provides protection against rust and corrosion.

### Approvals / Performance Levels

S.A.B.S 1251 (Markholder) and BS6580 (1992) International Automotive Manufacturers' Cooling System requirements. Meets the Performance Requirements of: BS6580, ASTM D 3306, D 4985, SAEJ 814, J 1034, J 1941 Cummins 90T-4, Detroit Diesel, Mack, Chrysler, MS-7170, Ford ESC-M97B44-A, GM 1899M Mercedes Benz (Sheet 325.2), Opel QL 130100, Porsche TL 774C 1994, VW/Audi TL 771C-1994, Nissan, Perkins, BMW N600.69.0. Engine manufacturers requiring product meeting the SABS 1251 and ADE Specification.

### Approvals / Performance Levels

When charging any cooling system with Valvoline Antifreeze and Summer Coolant ensure that the system is drained. While hot, clean and flush thoroughly then fill with a minimum 25% mixture of fluid and water (1:3) same ratio for top-up fluid. Check all hoses for leaks. This 25% mixture will protect against freezing down to  $-12^{\circ}\text{C}$  and raises boiling point to  $104^{\circ}\text{C}$ .

### Properties

Test	Typical Property
Methanol Free	Yes
Silicate Free	Yes
Phosphate Free	Yes
Nitrite Free	Yes
Amine Free	Yes
SG @ $20^{\circ}\text{C}$	1.12-1.14
PH (50% sol)	10.0-11.0
Freezing Point (50% sol)	$-36^{\circ}\text{C}$
Boiling Point (50% sol)	$+129^{\circ}\text{C}$

**NOTE: Any antifreeze split on paintwork should be washed off immediately.**

This information only applies to products manufactured in the following location(s):

Effective Date:	Expiration Date:	Replaces:	Author's Initials:	Pages:	Code:
01/2000	01/2003			1	

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