



# Opticool Antifreeze SP-OAT

Monoethylene glycol based silicated-phosphated OAT antifreeze

Product code: D047

## Product Description:

Opticool Antifreeze SP-OAT is a monoethylene glycol based antifreeze and is specifically designed for the demands of modern engine systems. Downsized, high power engines that minimise emissions place greater heat demands upon the coolant system. Using an additive package with greater thermal stability, Opticool Antifreeze SP-OAT provides excellent protection to metals within the coolant system, especially aluminium. It uses a silicate-phosphate organic additive technology and is free of borates, amines and nitrites.

## Application:

Opticool Antifreeze SP-OAT is recommended where a Silicated-Phosphated Organic Additive Technology product is required which includes Volvo cars and numerous off-highway applications.

Opticool Antifreeze SP-OAT is an extended life antifreeze which should be replaced every five years or every 250,000 km for passenger vehicles or every 1,000,000 km for trucks and commercial vehicles. Original Equipment Manufacturers' recommendations should be followed when changing out cooling systems.

## Recommended Dilutions:

Concentration (by volume)	25%	33%	40%	50%	60%
Specific Gravity @ 20°C	1.030	1.045	1.060	1.074	1.087
Freeze Protection (°C)*	- 12	- 22	- 27	- 40	- 56

\*Average of freezing point and pour point.

Opticool Antifreeze SP-OAT is formulated to be able to cope with all water qualities and is compatible with hard water, however use of deionised or demineralised water is recommended.

## Product Specification:

ASTM D3306, ASTM D4656, BS 6580: 2010, SAE J 1034

Opticool Antifreeze SP-OAT is recommended for service fill in the following applications or where these OEM genuine fluids were originally required:

Deutz DQC CC-14, VW TL 774-L, Glystantin® G64, Glystantin® G65, Volvo VCS-2, Volvo Special Coolant (Green)



## TECHNICAL DATA SHEET

### **Typical Test Data:**

Appearance	Green liquid
Water Content (% w/w)	2.9
Density at 20°C (kg/l)	1.132
Reflux Boiling Point (°C)	172
pH (50% v/v in Deionised Water)	7.9
Reserve Alkalinity (ml 0.1N HCl)	11