



CalPlus 100 & 50

High Performance Antifreeze & Coolant

CalPlus - is an ethylene glycol based fluid that provides maintenance-free protection against freezing and boiling but also against corrosion. **CalPlus** has been developed to meet specific demands of particular OEMs by combining organic and silicate technology.

Features & Benefits

CalPlus offers many benefits to the engine designer as well as to the user:

- ❖ **Long life protection;** synergistic effect by a combination of organic inhibitors
- ❖ **Uniform & homogenous protective layer;** engineered inhibitor package
- ❖ **No gel formation or drop-out;** performant silicate stabiliser
- ❖ **Environmentally friendly;** free of borate, nitrite, amines and phosphates
- ❖ **Aluminium protection;** high-performance additives

Applications

Typical mixtures of **CalPlus** of 50/50 will offer frost protection down to -40°C. A 33% mixture will provide protection down to -22°C, whilst a 68% mixture will provide protection as low as -69°C but concentrations above this level is not recommended.

CalPlus is particularly recommended for hi-tech engines where Aluminium, Cast Iron and Steel protection is important and fully meets the requirement of the following OEM's

- ❖ Audi: TL 774 G
- ❖ Bentley: TL 774 G
- ❖ Bugatti: TL 774 G
- ❖ Cummins: CES 14603
- ❖ Lamborghini: TL 774 G
- ❖ MAN (built as from 12/2011): MAN 324 Typ Si-OAT
- ❖ Mercedes-Benz (Trucks built as from 10/2011): Specification MB 325.5
- ❖ Seat: TL 774 G
- ❖ Škoda: TL 774 G
- ❖ VW: TL 774 G
- ❖ Porsche (built as from 1997): 911, Boxster, Cayman, Cayenne, Panamera

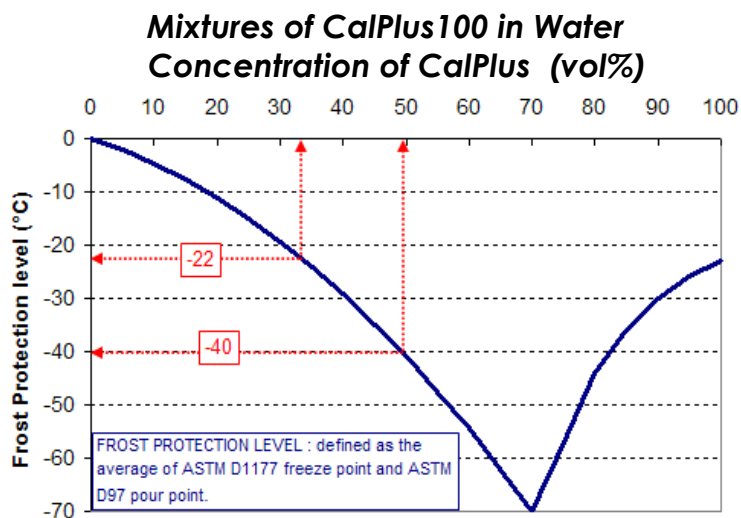
Safety information sheets are available for all Optimum products from the address below:

1 Ullenwood Court · Ullenwood · Cheltenham · Gloucestershire · GL53 9QS
 Head Office: 01242 253 333 · Customer Services & Orders: 08719 188 881 · Fax: 08719 189 998
 Email: technical@optimumoils.com · Web: www.optimumoils.com

All reasonable care has been taken to ensure that the information contained in this publication is accurate at the date of printing. The above information may be affected by changes occurring subsequent to the date of printing in the formulation and its application for the products referred to or in the requirements of any specification or approval relating to any such products.



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Compatibility & Miscibility

CalPlus is compatible with most other coolants based on ethylene glycol. Exclusive use is however recommended for optimum corrosion protection and inhibitor stability. This coolant is compatible with European hard tap waters. It satisfies the most stringent requirements for hard water stability.

For optimal performance and controlled quality, we recommend the use of De-ionised or distilled water to prepare the ready-to-use dilutions. Contact your local Area Sales Manager for more information.

Storage Requirements

CalPlus should be stored above -20°C and preferably at ambient temperatures. Periods of exposure to temperatures above 35°C should be minimized. Further, it is strongly advised not to expose the coolant in translucent packages to direct sunlight as this can degrade the colour dyes present in the coolant, and result in fading of the colour or discoloration over time. It is therefore advisable to store coolant filled in translucent packages indoors to avoid this issue.

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CalPlus can be stored for minimum 3 year in unopened containers without any effect on the product quality or performance. It is strongly recommended to use new containers and not recycled ones. As with any antifreeze coolant, the use of galvanized steel is not recommended for pipes or any other part of the storage/mixing installation.

Toxicity

For Toxicity and Safety Data please refer to the Material Safety Data Sheet. The transport for this product is not regulated. This product should not be used to protect any other water systems against freezing.

Typical Physical Data

	CalPlus 100	CalPlus 50
Appearance	Light Red	Light Red
Relative Density (kg/m ³ @20°C)	1.114	1.068
pH (20°C)	8.6	-
Refractive Index (Cst@40°C)	1.432	1.385
Water Content (% v/v)	5% Max	50
Freeze Protection (°C)	-	-40

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