

# Euro Ultra

## High Performance Antifreeze/Coolant

### PRODUCT OVERVIEW

**PrixMax Euro Ultra** is a technically advanced extended life antifreeze / coolant based on ethylene glycol and glycerol. This coolant is engineered with next generation "lobrid" technology containing a backbone of organic inhibitors combined with silicate additives (Si-OAT). This high performance engine coolant provides effective corrosion protection for all engine metals, including aluminium and ferrous alloys, and is particularly recommended for high-tech engines where high temperature aluminium protection is required.

### PRODUCT BENEFITS

- Factory approved by Volkswagen against specification VW TL 774 J (G13)
- Utilises a more environmentally friendly manufacturing process – partially replacing ethylene glycol with glycerol
- Superior corrosion protection through the latest Si-OAT inhibitor technology
- Exceptional aluminium protection for modern hi-tech engines
- Excellent corrosion, cavitation and erosion protection for aluminium water pumps
- Borate, nitrite, phosphate and amine free formulation
- Compatible with most other coolants based on ethylene glycol

### APPLICATIONS

PrixMax Euro Ultra may be used with confidence in engines manufactured from cast iron, aluminium or combinations of the two metals, and in cooling systems made of aluminium or copper alloys. PrixMax Euro Ultra is particularly recommended for hi-tech engines, where high temperature aluminium protection is important.

### SERVICE LIFE

Refer to the manufacturer's recommended change interval. Provided maintenance instructions are followed, it is generally recommended that the coolant fluid be replaced every 4 years.

### APPROVALS AND RECOMMENDATIONS

PrixMax Euro Ultra has been officially approved by Volkswagen against VW Group specification VW TL 774 J (G13).

This product is also recommended for use in, or where the following performance standards are cited:

- AS 2108-2004 Engine Coolant Type A
- ASTM D3306
- Audi
- Bentley
- Bugatti
- BS 6580:2010
- G11 / G12 / G12+ / G12++
- Lamborghini
- MAN Typ Si-OAT
- Mercedes Benz trucks (MB 325.5)
- Mercedes Benz passenger cars (MB 325.6)
- Porsche
- Scania
- Seat
- Skoda
- Volkswagen
- VW TL 774 J (G13)

### TECHNICAL CHARACTERISTICS

Property	Method	Typical Results
<b>Colour</b>		Light red/violet
<b>Ethylene glycol (w/w)</b>		78% (min)
<b>Glycerol (w/w)</b>		20% (max)
<b>pH</b>	ASTM D1287	8.6
<b>Density, g/ml, 20°C</b>	ASTM D1122	1.132
<b>Reserve Alkalinity (pH 5.5)</b>	ASTM D1121	5.7
<b>Refractive Index, 20°C</b>	ASTM D1218	1.437
<b>Nitrite, amine, phosphate, borate</b>		Nil

Technical Characteristics are typical of those obtained with normal production tolerance. Variations in product typical results are to be expected during normal manufacture. \*Refer table below.

## MAINTENANCE

### Recommended coolant concentrations

PrixMax Euro Ultra provides year-round frost and corrosion protection. For optimum year-round protection against freezing, boiling and corrosion, a solution of not less than 50% by volume of PrixMax Euro Ultra in good quality water is recommended. The product is a concentrate and must be diluted before pouring into the cooling system, and must not be used at concentrations greater than 67% or less than 33%.

It is important to note that freeze point readings via a regular refractometer against a MEG-scale will lead to an incorrect value for the freeze point (due to the presence of glycerol in the product). The table below provides data for different dilutions on density, refractive index and freeze point, and highlights the difference in results between the two standard test methods for antifreeze: ASTM D1177 and ASTM D3321:

Correct Freezing Point (°C)	Density, 20°C (kg/l)	Refractive Index (20°C)	Refractometer Reading (MEG-scale) (°C)	Dilution (vol%)
ASTM D1177	ASTM D5931	ASTM D1218	ASTM D3321	
-10	1.035	1.358	-12	22.3
-15	1.046	1.366	-18	29.3
-20	1.056	1.373	-25	35.6
-25	1.064	1.379	-31	41.0
-30	1.071	1.384	-36	45.8
-35	1.077	1.388	-42	49.8
-40	1.081	1.392	-46	53.2
-45	1.085	1.394	-50	55.7
-50	1.087	1.396	-52	57.6

### General

- PrixMax Euro Ultra is compatible with most other coolants based on ethylene glycol. Exclusive use is however recommended for optimum corrosion protection and inhibitor stability. PrixMax recommends that this product not be diluted by more than 15% with other coolant/antifreeze formulations.
- PrixMax recommends the use of deionised or distilled water to prepare the ready-to-use dilutions.
- When changing to PrixMax Euro Ultra always start off with a clean coolant system using PrixMax Radiator Flush or similar commercial cleaner at the change interval if previously using conventional coolants. After draining the cleaner, flush thoroughly with clean water. Inspect the cooling system. Make necessary repairs and tighten all hose connections.

- Always dispose of the used coolant in accordance with local, state and federal guidelines.
- Full technical support of the PrixMax laboratory is available through our comprehensive Coolcheck® scheduled coolant analysis program, which at least annually determines the overall condition of the coolant and cooling system.

## STORAGE AND HANDLING

The product 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 because this can degrade the colour dyes present in the coolant, and result in fading of the colour or discoloration over time. This reaction can be accelerated if coupled with high ambient temperatures. It is therefore advisable to store coolant filled in translucent packages indoors to avoid this issue.

PrixMax Euro Ultra can be stored for minimum 2 years 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.

## PACK SIZES

Part No	Pack Size
EUROU-C1	1 litre
EUROU-C5	5 litre
EUROU-P20	20 litre
EUROU-D205	205 litre
EUROU-B1000	1,000 litre

Please contact us for further information.

## TOXICITY AND SAFETY

ENVIRONMENT, HEALTH and SAFETY Information is available on this product in the **Safety Data Sheet (SDS)**. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain the SDS for this product, please contact us.

**COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =**

**COMPANY WITH ENVIRONMENTAL SYSTEM CERTIFIED BY DNV GL = ISO 14001 =**

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