



## AVALANCHE G480

### SILICATE TYPE HYBRID TECHNOLOGY

#### PRODUCT DESCRIPTION:

Avalanche G480 is an antifreeze coolant concentrate based on mono ethylene glycol. It is free of nitrite, amine and phosphate. It contains a mixture of inorganic and organic corrosion inhibitors and belongs to the hybrid type coolants. Avalanche G480 protects modern engines of passenger cars as well as commercial vehicles from damages caused by cavitation, freezing, rust and overheating. The highly effective corrosion inhibitors protect all metals in the cooling system from deposit and corrosion. Avalanche G400 fulfills the requirements of VW coolant specification VW TL 774 -C (G11) and provides a service life of 7 years / 450,000 Km.

#### APPLICATION:

Avalanche G480 must be diluted with water before filling into cooling system. We recommend distilled water for this. Depending on water hardness and quality (hardness not greater than 3.6 mmol/l), dilution with tap water is also possible. Avalanche G400 should be blended with water in a concentration amongst 33% to 60% by volume prior to infilling. The usage of a 50/50 ratio for the mixture of water and Avalanche G480 is generally advisable.

Analysis values of the water may not exceed the following threshold values:

Water hardness: 0 – 3.6 mmol/l

Chloride content: max. 100 ppm

Sulfate content: max. 100 ppm

#### FEATURES & BENEFITS:

- Outstanding corrosion protection
- Contains no amines, nitrites or phosphates
- Universal application at passenger cars and commercial vehicles as well if a silicate based coolant is required.
- Anti-cavitation, preventing foam and the retention of air, ensuring the good performance of the pump.
- Prevents the buildup of deposits, keeping the cooling system clean.
- Long life service product

#### Avalanche G480 fulfills the following coolant standards:

AS 2108-2004, ASTM D 3306, ASTM D 4985, BS6580:2010, CUNA NC 956-16, AFNOR NFR 15-601, JIS K 2234:2206, PN-C 40007:2000, SAE J1034, ÖNORM V 5123, SANS 1251:2005 and China GB 29743-2013

#### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

• Audi TL 774-C • BMW GS 94000 • Deutz TR-0199-99-1115 • Deutz DQC CA-14 • MAN 324 NF • MB 325.0 • MB 325.2 • MB-326.0 (Ready Mix)  
 • MTU MTL 5048 • Opel B 040 0240 • Seat TL 774-C • Skoda TL 774-C • VW TL 774-C • Volvo Trucks TR 1286083 • Voith Turbo 172.00225010

#### TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	AVALANCHE G480	
			AVALANCHE G480 Concentrate	AVALANCHE G480 (50% Ready Mix)
pH	D1278	cSt	8.1	8
Freezing Point	D1177	°C	N/A	-37
Boiling Point	D1120	cSt	170	108
Density at 15.5C	D4052	g/cm3	TBR	TBR

#### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with antifreeze may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used antifreeze in to drains or the environment. For further Information on Safety Guidelines please refer to MSDS available on our website [www.lubrex.net](http://www.lubrex.net)

#### HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet [www.lubrex.net](http://www.lubrex.net)

#### PROTECT THE ENVIRONMENT:

Comply with local regulation. Do not discharge into drains, soil or water.

#### STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

™ Trademark of LUBREX, registered in various countries © 2005

All statements, information and data presented herein are believed to be accurate and reliable, but are not to be taken as a guarantee, an express warranty or an implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which LUBREX and its affiliates assume legal responsibility.