



AVALANCHE G400

SOAT – SILICATED ORGANIC ACID TECHNOLOGY

PRODUCT DESCRIPTION:

Avalanche G400 is an Ethylene Glycol based, anti-freeze and anti-boil coolant concentrate. It uses a technically advanced Si-OAT (Organic Acid Technology) based inhibitor system that is Phosphate, Amine, Borate and Nitrite free. The extended long life inhibitor formulation prevents rust, corrosion, cavitation and degradation of the cooling system. Avalanche G400 fulfills the requirements of latest VW coolant specification VW TL 774-G (G12++) and provides a service life of 8 years / 500,000 Km.

APPLICATION:

Avalanche G400 is designed for engines made of cast iron, aluminum or a combination of the two as well as cooling systems with aluminum and/or copper alloys, especially for all-alloy engines in which a special aluminum protection is required at higher temperatures, for passenger cars, commercial vehicles, buses, agricultural machines as well as stationary engines and devices that require a radiator antifreeze of this quality. Fill the cooling system with Avalanche G400 and water according to the desired mixing ratio. 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 G400 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, borates, nitrites or phosphates
- Protects against overheating
- 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 G400 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-G, Bentley TL 774-G, Bugatti TL 774-G, GM 6277M, Cummins CES 14603, Deutz DQC CC-14, Ducati (TL 774-G), Lamborghini TL 774-G, MAN 324 Typ Si-OAT, MB 325.6, MB 326.6 (Ready Mix), MB 325.5, MB 326.5 (Ready Mix), MTU MTL 5048, Porsche TL 774-G, Seat TL 774-G, Skoda TL 774-G, VW TL 774-G, FORD WSS-M97B44-D.

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	AVALANCHE G400	
			AVALANCHE G400 Concentrate	AVALANCHE G400 (50% Ready Mix)
pH	D1278	cSt	8.5	8.3
Freezing Point	D1177	°C	-37	N/A
Boiling Point	D1120	cSt	182	108
Density at 15.5C	D4052	g/cm ³	1.120	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

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

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.

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