



AQUENT G12+ ORGANIC ACID TECHNOLOGY

PRODUCT DESCRIPTION:

AQUENT G12+ is a long-life antifreeze coolant concentrate based on monoethylene glycol, designed for heavy-duty applications as well as passenger cars and stationary combustion engines. It is free from nitrites, amines, silicates, and phosphates and uses the highly effective Organic Acid Technology (OAT) formulation. AQUENT G12+ provides comprehensive protection against frost, overheating, corrosion, and cavitation for highly loaded engines in passenger cars and commercial vehicles. It prevents corrosion on all metals commonly found in engine cooling systems, especially aluminum. AQUENT G12+ meets the VW coolant specification VW TL 774-D/F (G12, G12+) and offers a service life of up to 7 years or 450,000 km.

APPLICATION:

AQUENT G12+ must be diluted with water before adding to the cooling system. It is recommended to use distilled water for dilution. If tap water is used, ensure the water hardness does not exceed 3.6 mmol/L. AQUENT G12+ should be mixed with water at a ratio of 33% to 60% by volume before filling. A 50/50 mix of AQUENT G12+ and water is generally recommended for optimal performance.

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:

- Perfect for engines, cylinder heads and radiators made from aluminum
- Contains no amines, nitrites, phosphates or silicates
- Universal usability (passenger cars, truck and stationary engines)
- Anti-cavitation, preventing foam and the retention of air, ensuring the good performance of the pump.
- Prevents the build-up of deposits, keeping the cooling system clean.
- Long life service product

AQUENT G12+ 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-D/F
- Bentley TL 774-D/F
- DAF MAT 74002
- Deutz DQC CB-14
- Ferrari (> 2010)
- Lamborghini TL 774-D/F
- MAN 324 SNF
- MB 325.3
- MB 326.3 (Ready Mix)
- Mini LC-07
- MTU MTL 5048
- Porsche TL 774-D/F
- Seat TL 774-D/
- MB 326.3 (Ready Mix)
- Skoda TL 774-D/F
- Volkswagen VW TL 774-D/F
- TOYOTA TSK 2601G-8A
- GM 6277M
- PSA B71 5110
- FORD WSS-M97B44-D

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	AQUENT G12+	
			AQUENT G12+ Concentrate	AQUENT G12+ (50% Ready Mix)
pH	D1278	cSt	8.5	8.3
Freezing Point	D1177	°C	N/A	-37
Boiling Point	D1120	cSt	170	108
Density at 15.5C	D4052	g/cm3	TBR	TBR

DISCLAIMER: The test data presented above is for reference only and not a specification. It may vary within acceptable production tolerances. Alpha reserves the right to update this data, with the latest version of the Technical Data Sheet (TDS) taking precedence over previous versions.

HEALTH & SAFETY, ENVIRONMENT:

Extended and repeated exposure to oil may lead to skin issues. Avoid contact. If contact occurs, wash immediately with soap and water. Do not dispose of used oil in drains or the environment. Instead, take it to an authorized oil collection facility. For more safety information, please refer to the MSDS available on our website: www.alphaoil.ae

HEALTH & SAFETY:

When used correctly in the recommended application and with proper personal hygiene, this product is unlikely to pose significant health or safety risks. For detailed safety information, refer to the Safety Data Sheet (SDS), available upon request from your local sales office or online. www.alphaoil.ae

PROTECT THE ENVIRONMENT:

Dispose of used oil at an authorized collection point. Follow local regulations and avoid releasing it into drains, soil, or water.

STORAGE:

We recommend storing all packages under cover. If outdoor storage is necessary, drums should be placed horizontally to prevent water ingress and protect drum markings. Products should not be stored above 60°C or exposed to direct sunlight or freezing conditions.