



## SUBZERO G11

### SILICATE TYPE HYBRID TECHNOLOGY

#### PRODUCT DESCRIPTION:

SUBZERO G11 is an antifreeze coolant concentrate that uses mono ethylene glycol as its base. It is formulated without nitrite, amine, and phosphate. This hybrid-type coolant incorporates a blend of inorganic and organic corrosion inhibitors to provide protection against cavitation, freezing, rust, and overheating for modern engines in passenger cars and commercial vehicles. The corrosion inhibitors effectively safeguard all metals within the cooling system from corrosion and deposits. SUBZERO G11 meets the requirements of VW coolant specification VW TL 774-C (G11) and has a recommended service life of 7 years or 450,000 km.

#### APPLICATION:

To prepare SUBZERO G11 for use, it must be mixed with water before filling into the cooling system. It is recommended to use distilled water for this purpose. However, if the water hardness is not greater than 3.6 mmol/l, dilution with tap water is also acceptable. The recommended concentration is between 33% to 60% SUBZERO G11 and water, with a 50/50 ratio being generally advised.

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

#### SUBZERO G11 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	SUBZERO G11	
			SUBZERO G11 Concentrate	SUBZERO G11 (50% Ready Mix)
pH	D1278	cSt	8.1	8
Freezing Point	D1177	°C	N/A	-37
Boiling Point	D1120	cSt	170	108
Density @15.5C	D4052	g/cm3	TBR	TBR

#### DISCLAIMER:

The test data provided is not a final specification; rather, it serves as a guideline and may vary within acceptable production tolerances. Bravoil reserves the right to modify this test data. Any updates will supersede previous versions, so please refer to the most recent Technical Data Sheet (TDS).

#### HEALTH & SAFETY, ENVIRONMENT:

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

#### 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.bravoil.ae](http://www.bravoil.ae)

#### PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. 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.