ENEOS Super Cool BSG

Organic Antifreeze Coolant

Nitrite, Amine & Phosphate free formulation

ENEOS Super Cool BSG coolant is a highly cost-efficient OAT (organic additive technology) engine coolant providing frost and corrosion protection. In today's combustion engines, the engine and cooling system need to be protected against corrosion and frost damage. Therefore, the engine coolant needs to provide freezing and boiling protection, be compatible with commonly used metals and elastomers while providing efficient heat transfer. This coolant contains MEG (Mono Ethylene Glycol) and a small amount of Glycerine as base fluid. These base fluids, combined with a well-balanced fully organic inhibitor package, offer protection to all cooling system components including standard used metals and elastomers. As our BSG coolant inhibitor package is fully organic, it offers excellent heat transfer properties. Exempt from potentially harmful additives such as nitrites, amines and phosphates, the coolant also contributes to a safer environment. BSG coolant is also silicate free, which excludes any possible issues caused by instable silicate gel or silicate drop-out. BSG coolant is an all-round coolant and a cost effective solution for multiple engine coolant system applications.

FEATURES & BENEFITS

1. **Corrosion protection**
   Improved engine reliability and durability for all year round protection, also for non-ferrous metals.
2. **Frost protection**
   Offers winter protection against engine freeze damage.
3. **Boiling protection**
   Control of overheating, coolant loss and breakdown at high engine temperatures
4. **Good miscibility**
   Mixes with existing coolant in system
5. **Seal compatibility**
   Suitable for general use in all vehicle engines
6. **Hard water stability**

APPLICATIONS

- Passenger car gasoline, diesel and LPG engines
- Light-duty commercial vehicle gasoline and diesel engines
- Heavy-duty diesel engines fitted with wet or dry liners, in on and off-highway service
- Motorbike, Power equipment & Outboard engines
- Heat transfer systems like central heating installations
- BSG coolant provides year-round frost and corrosion protection. It is recommended to use 50 vol. % of BSG coolant in the coolant solution and a minimum of 33 vol.% to secure corrosion protection properties. A 33 vol.% dilution provides frost protection to -17°C. Concentrations higher than 70 vol. % are not recommended as the maximum frost protection is reached at that level.

PACK SIZES

1L, 5L, 60L & 200L

PERFORMANCE LEVELS

- BS 6580 (1992)
- BS 6580 (2010)

COMPATIBILITY & MISCIBILITY

Our BSG coolant is compatible with MEG -based coolants. Exclusive use of BSG coolant is however recommended for optimum corrosion protection and inhibitor stability. To guarantee optimal performance and controlled quality, we also recommend the use of deionised or distilled water to prepare the ready-to-use dilutions.

TYPICAL MIXING RATIO

Vol % in water	33	40	50	60	70
Freezing Protection °C	-17	-26	-33.5	-53	-69

TYPICAL PROPERTIES

		Protection Temperature		
Parameters	**Concentrate**	-37 °C	-26 °C	-18 °C
Appearance	GREEN			
Density @ 20°C	1.131	1.078	1.065	1.052
Vol% conc.	N/A	**50**	**40**	**33**
pH	8.6	8.4	8.4	8.3
Boiling Point	155 °C			
Reserve Alkalinity mL ml HCl 0.1N PH 5.5	3.0	~ 1.6	~ 1.3	~ 1.0
Flash Point (PMCC)	Estimated 122 °C			

Note: The typical properties may be changed without notice. (May 2020)

STORAGE REQUIREMENTS

- The product should be stored above -20°C and preferably at ambient temperatures. Periods of exposure to temperatures above 35°C should be minimized.
- As with any antifreeze coolant, the use of galvanized steel is not recommended for pipes or any other part of the storage/mixing installation.
- Further, it is strongly advised not to expose 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 with high ambient temperatures. It is therefore advisable to store coolant filled in translucent packages indoors to avoid this issue