Product Information

ENEOS X ULTRA COOL BSG

OAT engine coolant with MEG base fluid and organic inhibitors

ENEOS X Ultra Cool BSG features X technology, a cutting-edge advancement for Japan coolants. This highly efficient OAT engine coolant provides excellent frost protection and corrosion resistance. Utilizing Mono-Ethylene Glycol (MEG) and a fully organic inhibitor package, it offers comprehensive protection for all cooling system components. As a universal and cost-effective solution, ENEOS X Ultra Cool BSG ensures reliable performance and extended service life across various engine cooling applications.

SPECIAL FEATURES

1. Comprehensive Protection

Offering superior corrosion protection for both ferrous and non-ferrous metals, safeguards against frost damage, and provides reliable boiling protection, ensuring optimal engine performance across diverse temperature conditions.

2. Enhanced System Compatibility

Excellent miscibility, ensuring seamless blending with existing coolants. It offers superior seal compatibility, preventing leaks and maintaining system integrity. Additionally, its hard water stability prevents scaling and deposits, ensuring optimal performance in various water conditions.

3. Excellent robust performance

A cost-effective solution for various engine coolant system applications, featuring excellent heat transfer properties and preventing deposit formation to ensure optimal performance and longevity.

4. Eco-Friendly Formulation

Featuring carefully selected additives that minimize environmental impact, utilizing a 2-EHA, nitrite, amine, and borate-free technology to ensure both safety and ecological responsibility.

APPLICATION

ENEOS X Ultra Cool BSG is suitable for use in combustion engines in passenger cars and heavy-duty applications.

TYPICAL MIXING RATIO

ENEOS X Ultra Cool BSG coolant provides long-life frost and corrosion protection. It is recommended to use 50vol% of ENEOS X Ultra Cool BSG in the cooling solution and a minimum of 33vol% to secure corrosion protection properties. This 33% concentration will provide a freezing point down to -17°C.

Concentrations higher than 70vol% are not recommended.

For optimal performance and controlled quality, we recommend the use of deionised or distilled water to prepare the ready-to-use dilutions although lab testing has shown that acceptable corrosion results are still obtained with water of 20°dH, containing up to 500 ppm chlorides or 500 ppm sulphates.

Vol, % in water	40	50
Freezing Protection **°C**	-26	-37

PACK SIZES

1L, 5L, 60L & 200L

TYPICAL PROPERTIES

Parameters	Fully Concentrate 100%	40% Pre-mixed	50% Pre-mixed
Colour	Green		
Density @ 20°C, kg/l, ASTM D5931	1.109	report	report
Freezing Protection ASTM D1177	report	-26 °C	-37 °C
pH ((20°C) ASTM D1287	report	8.55	8.6
Boiling Point, °C ASTM D1120	161 °C	report	report
Reserve Alkalinity (pH 5.5) ASTM D1121	3.1 typ.	report	report

Note: The typical properties may be changed without notice. (November 2024)

RECOMMENDATIONS & SPECIFICATIONS

- BS 6580:1992
- BS 6580:2010 (*)
- NF-R 15-601
- ASTM D3306-20 Type III
  for dilutions of 51.8v% and higher
- CUNA NC 956-16
- SAE J1034
  for dilutions of 51.8v% and higher
- UNE 26-361-88/1

** For product containing 25% or more 1,2 ethane diol (MEG) which is supplied as packaged goods intended for retail to the general public, BS 6580:2010 requires the addition of minimum 25ppm of denatonium benzoate (bitterant), or the package has to be fitted with a childproof closure.*

STORAGE

The product should be stored above -20°C and preferably at ambient temperatures. Periods of exposure to temperatures above 35°C should be minimized. Further, it is strongly advised not to expose the 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 if coupled with high ambient temperatures. It is therefore advisable to store coolant filled in translucent packages indoors to avoid this issue.

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