

# WT COOLANT SUPRA

*Corrosion inhibitor in coolant circuits*



WT COOLANT SUPRA is cooling liquid non monoethylene glycol and based on WT supra, a so-called "Water Treatment" agent: it is an aqueous concentrate of specific organic corrosion and cavitations inhibitors. Its special formula – containing absolutely no phosphates, nitrites, amines, boron, nitrates or silicates – gives it two important properties: first of all WT COOLANT SUPRA is non-polluting and, secondly, it is long-lasting.

## APPLICATIONS

### Engine Cooling

- As a 10% solution in water , WT COOLANT SUPRA will protect. Cooling circuits in diesel and gas engines:
  - an combined heat and power plants or electricity power stations requiring no antifreeze protection but needing efficient heat transfer
  - in ships engines.
  - Cars, Van, Truck, Buses, Heavy Equipment, constructing machines and agricultural tractor requiring no antifreeze protection but needing efficient heat transfer
  - on the factory test bed during running-in and for the protection of the engine block against corrosion between leaving the factory and entering service. Heat transfer systems (such as heating plant or secondary circuits in cogeneration units) employing an aqueous.

## CUSTOMER BENEFITS

**Enhanced protection against corrosion and cavitations**

**No deposit formation**

**Lower disposal/ recycling costs**

**Protects the environment**

**Better heat transfer at lower cost**

- Thanks to its organic technology, WT COOLANT SUPRA protects circuits much better against cavitations and corrosion than conventional "water treatment" products.
- The absence of any inorganic ingredients (such as phosphates, nitrites, etc.) means that no hard deposits are formed, especially around the top of liners, cylinder heads, heat exchanger tubes and electric heaters. As a result :
  - Heat transfer is sustained
  - Anti-corrosion and anti-cavitations properties are maintained
  - There is no risk of pipe erosion due to hard particles in circulation
  - The circuit remains clean.
- The active ingredients in WT COOLANT SUPRA are non-polluting, and confer the same properties on the circuit fluid so long as it does not contain any toxic substances such as mono-ethylene glycol (a routine ingredient of ordinary antifreezes). These properties allow it to be used in domestic heating installations.
- When no antifreeze protection is needed, filling a heat transfer circuit with WT SUPRA after emptying out conventional antifreeze gives better performance – thanks to the fluid's higher thermal capacity – at lower cost.

## CHARACTERISTIC

Properties	Methods	Units	Typical
Colour			Blue
Concentration WT Supra			10%
SG at 20°C	ASTM D1122		1.007
pH	ASTM D1287		8.44

The typical characteristics mentioned represent mean values.

A 10% dilution is recommended when **WT COOLANT SUPRA** is used to protect the cooling circuits of engines when these are being run in on the test bed and during periods of storage (2 months).

## **FLUSHING PROCEDURE**

Installations containing deposits arising from construction (new facilities) or corrosion (those already in service), must be flushed out very carefully.

Procedures:

- 1/ Circulate the existing fluid for at least an hour to bring the deposits into suspension.
  - 2/ Drain the cooling circuits completely (clean out low points and retention zones).
  - 3/ Check the heating elements and the expansion tank: clean out if any deposits are found.
  - 4/ Flush with pure water (at least twice), circulating the water throughout the circuit.
- Drain and check that deposits are not blocking the filters.
- 5/ Drain the entire circuit.
  - 6/ Fill with **WT COOLANT SUPRA**.

Note: For MSDS, Storage / Handling and other technical support, please contact:  
PT. Total Oil Indonesia  
Ph. : +62-21-759 16999  
Fax. : +62-21-759 16555

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