



# TEXACO ANTI-FREEZE COOLANT

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## CPS 222353 (MSDS 10298) TEXACO ANTI-FREEZE COOLANT

Texaco Anti-Freeze Coolant is a universal, low silicate, all purpose coolant designed for use in both automotive engines and heavy-duty diesel engines, particularly those containing aluminum alloys.

## CPS 227975 (MSDS 10308) TEXACO PREDILUTED 50/50 ANTI-FREEZE COOLANT

Texaco Prediluted 50/50 Anti-Freeze Coolant is a 50/50 mixture of Texaco Anti-Freeze Coolant with deionized water.

### PRODUCT APPLICATION

Texaco Anti-Freeze Coolant is specially formulated to meet the stringent aluminum corrosion protection requirements of automotive engines. Because of its low concentration of silicate, it also complies with Cummins and other heavy-duty diesel engine manufacturers' silicate requirements. This product is also suitable for use in industrial internal combustion engines where an anti-freeze/coolant is required to provide protection against freezing, boil over, and corrosion. Texaco Anti-Freeze Coolant does not meet DEX COOL® requirements.

Note: These products are not to be used to protect the inside of potable water systems against freezing.

### PRODUCT DESCRIPTIONS AND FEATURES

Texaco Anti-Freeze Coolant is a single phase, ethylene glycol based product blended with a premium quality additive package. It is a universal low silicate coolant designed for use in both heavy-duty diesel and automotive engines, particularly those containing aluminum alloys. This product provides antifoam properties, and rust and corrosion protection for aluminum, brass, copper, solder, steel and cast iron. It mixes readily with any clean tap water and is compatible with cooling system filters and supplemental additives.

Texaco Anti-Freeze Coolant is free of nitrites and amines.

In service Texaco Anti-Freeze Coolant provides:

- Universal formula for both automotive and heavy-duty diesel engines (ASTM D 3306 and ASTM D 4985)
- Aluminum corrosion protection

- Heat transfer properties
- Antifoam characteristics
- Corrosion protection for aluminum, brass, copper, solder, steel and cast iron
- Low silicate formulation
- Nitrite-free, amine-free and borax-free
- Mixes readily with clean tap water
- Compatible with cooling system filters
- Compatible with heavy duty diesel supplemental coolant additives
- Compatible with most major brands of coolant

### PRODUCT RECOMMENDATIONS AND APPROVALS

Texaco Anti-Freeze Coolant meets:

- ASTM D 3306 for automotive service
- ASTM D 4985 for heavy duty diesel service

Texaco Prediluted 50/50 Anti-Freeze Coolant meets:

- ASTM D 4656 for pre-blend automotive service
- ASTM D 5345 for pre-blend heavy duty diesel service

Texaco Anti-Freeze Coolant meets or exceeds the requirements of the following specifications: (It should be noted that many heavy-duty diesel manufacturers are changing their requirements to simply require ASTM D 4985.)

- **AAMVA**
- **General Motors**
  - GM1825M, GM 1899M (performance corresponding to GM 6038M)
- ASTM D 3306 including ASTM D 4340, ASTM D 4985
- **Chrysler MS-7170**
- **Cummins 90T8-4**
- **Detroit Diesel Corp**
  - Federal Specification A-A-870
- **Ford ESE-M97B44-A**
- **Freightliner**
- **J.I. Case JIC 501**
- **John Deere H24B1, H24C1**
- **Mack Truck**
- **PACCAR**
  - SAE J1034
  - TMC of ATA RP-302A

## PRODUCT MAINTENANCE

### Recommended Dilutions for Texaco Anti-Freeze Coolant

Boiling Protection, °C° F) (15 lb pressure cap) 50% (1 part antifreeze/1 part water)	129.4(265)
Freezing Protection, °C(°F) 40% (2 parts antifreeze/3 parts water) 50% (1 part antifreeze/1 part water) 60% (3 parts antifreeze/2 parts water)	-24.4(-12) -36.7(-34) -52.2(-62)

### Notes

For optimum year round protection against freezing, boiling and corrosion, a 50 percent Texaco Anti-Freeze Coolant solution (1 part antifreeze/1 part water) is recommended. For maximum protection against freezing in extremely cold areas a 60 percent solution (3 parts antifreeze/2 parts water) can be used. Concentrations greater than 67 percent or less than 40 percent are not recommended.

Texaco Prediluted 50/50 Anti-Freeze Coolant should be used as manufactured. No dilution is recommended.

Original Equipment Manufacturer (OEM) recommendations should be followed when adding supplemental coolant additives, or when changing out cooling systems. Always dispose of used coolant in accordance with local, state, and federal guidelines.

In order to prevent the formation of silicate gel in storage containers, concentrated Texaco Anti-Freeze Coolant should not be stored longer than eighteen months without agitation, and should not be prediluted with supplemental coolant additives until it is ready to be used.

## TYPICAL TEST DATA

### Texaco Anti-Freeze Coolant

CPS Number		222353
MSDS Number		10298
Appearance		Fluorescent green
Specific gravity 60/60°C		1.130
Freezing point, °C <sup>a</sup>	ASTM D 1177	-37
pH <sup>b</sup>	ASTM D 1287	10.5
Reserve alkalinity <sup>c</sup>	ASTM D 1121	12.0
Silicate, % <sup>d</sup>		0.09

- a. 50 vol % aqueous solution
- b. 1:2 dilution with water
- c. as received
- d. as anhydrous alkali metasilicate

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.

### Texaco Anti-Freeze Coolant ASTM D 1384 Glassware Corrosion Test

	ASTM Limit	Weight loss, mg per coupon*
Copper	10 max	3
Solder	30 max	-1
Brass	10 max	3
Steel	10 max	-1
Iron	10 max	1
Aluminum	30 max	4

\* Negative indicates net gain

## HANDLING PRACTICES

For information on the safe handling and use of these products, refer to their Material Safety Data Sheets. For more information and availability, call 1-866-688-8890.