



## **DURALIFE® ULTRA HEAVY DUTY EXTENDED LIFE ANTIFREEZE/ COOLANT (EURO COOLANT)**

**Duralife® Ultra Heavy Duty Extended Life Antifreeze / Coolant (Euro Coolant)** is an Advanced Multi-Purpose Extended Life Antifreeze/ Coolant which has been specially designed for newest Heavy Duty Automotive/ Industrial Engines requiring a borate, nitrite, amine and phosphate free engine coolant. It based on a proprietary Hybrid Organic Acid corrosion inhibitor Technology (HOAT) to provide extended protection against rust, corrosion and pitting caused by cavitation for all coolant system metals.

This product protects all metal surfaces within the cooling system including solder, copper, brass, steel, cast iron, and aluminum. The effectiveness of the coolant is improved by the anti-foam properties which works by preventing air bubbles from forming and interfering with the coolants ability to cool.



### **APPLICATIONS:**

**Duralife® Ultra Heavy Duty Extended Life Antifreeze / Coolant (Euro Coolant)** is recommended for automotive and truck cooling systems and other industrial machines and needs to be diluted in the recommended proportions.

It has been specifically recommended for latest complete mixed fleet use and can use in all makes and models of North American, European, Asian passenger vehicles, light duty and heavy duty diesel trucks and large capacity motorcycles.

It meets the following specifications:

- ❖ ASTM D3306, D 6210, D 4985, D7583.
- ❖ BS 6580, Chrysler MS 7170/9769, DDC 93K217/ 7SE298, Ford ESE-MB97B44/WSSM97B44-D/M97B51-A1, Freightliner 44822880, GM 1825M/1899M/ 6277M, JIS K2234, John Deere 6277M, Kenworth R 02617097, Mack 01GS17004, International CEMS-B-1, VW TL 774G.
- ❖ Caterpillar, Paccar, Volvo
- ❖ Mercedes, BMW/Mini, Audi/Volkswagen, Porsche, Land Rover, Saab, Jaguar, Toyota/Lexus/Scion, Honda/Acura, Nissan/Infiniti, Subaru.

### **Mixing ratio:**

- Minimum 50%Antifreeze/Coolant and 50% Water, providing protection over a temperature range from  $-37^{\circ}\text{C}$  ( $-34^{\circ}\text{F}$ ) to  $129^{\circ}\text{C}$  ( $265^{\circ}\text{F}$ ).
- Maximum 70%Antifreeze/Coolant and 30% Water, providing protection over a temperature range from  $-64^{\circ}\text{C}$  ( $-84^{\circ}\text{F}$ ) to  $136^{\circ}\text{C}$  ( $276^{\circ}\text{F}$ ).

## BENEFITS:

- Service interval : 5 years or 150,000 miles for light duty applications and 6 years or 600,000 miles whichever comes first for heavy duty diesel applications.
- Protects against wet sleeve liner cavitation without nitrite and molybdate in Heavy Duty Diesel applications
- Provides excellent protection for both automotive and heavy duty diesel engines.
- Constant cooling through improved heat exchange in the cooling system.
- Prevents foaming and provides protection against rust and corrosion.
- No effects on automotive rubber hoses, gaskets and synthetic parts.
- Low silicate formulation that reduces drop-out and silicate gel formation.
- Improved hard water stability, due to the absence of phosphates.
- Compatibility with a wide range of different coolant technologies ( including Asian, European and North American) using ASTM D 3306.
- Compatible with the flux found in controlled atmosphere brazed (CAB) radiators.
- Compatible with coolant extenders currently used with OAT (Organic Acid corrosion inhibitor Technology) based life heavy duty diesel coolants.
- Storage stable for at least 8 years.

## TYPICAL CHARACTERISTICS

Test	Method	Typical results
PH (50% vol. solution in water)	ASTM D1287	8.0 – 9.0
Specific Gravity @ 15.6°C (60°F)	ASTM D1298	1.11 – 1.14
Freezing point, °C(°F) (50% vol. solution in water), max	ASTM D1177	-37 (-34)
Boiling point ,°C(°F) (50% vol. solution in water),min	ASTM D1120	108 (226)
Total Dissolved Solids , %wt	Federal # 209B	0.5
Foaming , ml	ASTM D 1881	40
Reserve Alkalinity	ASTM D 1121	3.5
Water , %wt	ASTM D 1123	2
Glassware Corrosion Test , weight loss , mg/specimen	ASTM D 1384	
Copper		0
Solder		0
Brass		0
Steel		1
Cast iron		0
Aluminum		5

*The above characteristics are average values based on recent production. Minor variations which do not affect product performance are to be expected in normal manufacture.*

**WARNING:** Corrosion liquid! Harmful if takes internally. Keep out of reach of children and avoid contact with eyes. Do not discharge used liquid into drains.

Reference SDS Number I2028 database on our website at [www.amtecol.com](http://www.amtecol.com) OR scan the code for a direct link

