DURALIFE® ANTIFREEZE AND COOLANT

Duralife® antifreeze and coolant is a premium ethylene glycol based antifreeze, anti-boil product which has been specially formulated with selected corrosion inhibitors to provide year-round protection of the cooling system. 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.
Compatible with most major conventional antifreeze brands.

APPLICATIONS:
Duralife® Antifreeze and Coolant is recommended for automotive and truck cooling systems and other industrial machines and needs to be diluted in the recommended proportions.
It meets the following performance requirements:

- ASTM D3306, D 4985, D4340, D6210
- SAE J1034, J1941
- TMC RP-329, MILA-A 52624, DDC 7SE298, Cummins 90T8-4 / 14603, CAT IE-0535, Detroit Diesel 93K217/ 7SE298, MTU, Navistar B-1 John Deere H24A1 & H24C1, Freightliner 48-22880, GM 1825M, GM 1899M, Mack Truck, Volvo-GM Heavy Duty Truck, Chrysler MS7170 Section A&B -14, Ford ESE-WSS M97B44A section 3.1.1&3.1.2, GSA A-A-870, CID A-A-52624.

Mixing ratio:

- Minimum 50%Antifreeze/Coolant and 50% Water, providing protection over a temperature range from –37ºC (-34ºF) to 129ºC (265ºF).
- Maximum 70%Antifreeze/Coolant and 30% Water, providing protection over a temperature range from –64ºC (-84ºF) to 136ºC (276ºF).

BENEFITS:

- This product will provide up to 4,000 hours or 150,000 miles in-field service life.
- 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 most major brands of coolant.

TYPICAL CHARACTERISTICS

Test	Method	Typical results
PH (50% vol. solution in water)	ASTM D1287	7.0 – 11.0
Specific Gravity @ 15.6ºC (60ºF)	ASTM D1298	1.02 – 1.15
Freezing point, ºC(ºF) (50% vol. solution in water), max	ASTM D1177	-37 (-34)
Boiling point, ºC (ºF) (50% vol. solution in water), min	ASTM D1120	108 (226)
Total Dissolved Solids, %wt	Federal # 209B	0.7
Foaming, ml	ASTM D 1881	80
Reserve Alkalinity, ml	ASTM D 1121	11
Water, %wt	ASTM D 1123	3.5
Glassware Corrosion Test, weight loss, mg/specimen	ASTM D 1384	
Copper Solder Brass Steel Cast iron Aluminum		0.5 -0.2 0.4 0 -0.6 0

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 12028 database on our website at ***www.amtecol.com*** *OR scan the code for a direct code*