DURALIFE® EXTENDED LIFE DEX-COOL® ANTIFREEZE/ COOLANT

Duralife® Extended Life Dex-cool® antifreeze / coolant meets GM 6277M-GM's new Long Life Coolant specification, is a single-phase, extended life, premium ethylene glycol based antifreeze, anti-boil product which has been specially formulated with a hybrid and nitrited organic acid technology (HOAT/NOAT) additive system, containing both carboxylic acids (OAT technology) and azoles/inorganic salts (conventional technology) 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.

APPLICATIONS:

Duralife® Extended Life Dex-Cool® antifreeze / 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, D4340, D4656, D 4985, D5345, D6210/11, D7853.
- SAE J1034, J194, J814C, J1038
- GM 6277M / 6043M/1825M /1899M, Chrysler MS 7170/MS 9760/MS 9769, DDC 93K217/7SE298, Ford ESE-WSS M97B44-A-D / M97B18-C/M97B51-A1, BS6580 (British Standard), FVV HEFT R443(Germany), Mercedes Benz 7700, Cummins 90T8-4/3666132/CES 14603, JIS K 2234 (Japan Standard), JASO M325, Freightliner 48-22880, John Deere JDM H24, Kenworth R02617079, VW TL774G Mack 01GS17004, PACCAR, International, Volvo, TMC RP-329 /RP-338, MILCID A-A 52624-I-IP-II.
- Mercedes, BMW, Audi, Toyota/Lexus, Nissan/Infiniti, Subaru.

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:

- Meets GM 6277M- GM's new Long Life Coolant specification (DEX-COOL®)
- This product will provide up to12,000 hours or 600,000 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.
- Storage stable for at least 8 years.

TYPICAL CHARACTERISTICS

Test	Method	Typical results
PH (50% vol. solution in water)	ASTM D1287	7.0 -11.0
Specific Gravity @ 15.6°C (60°F)	ASTM D1298	1.02 -1.15
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	6
Water , %wt	ASTM D 1123	1.5
Glassware Corrosion Test , weight loss , mg/specimen	ASTM D 1384	
Copper Solder Brass Steel Cast iron Aluminum		-0.3 0.3 -1 -0.7 -0.6 -1

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 link*