



OAT PG-25 Computer Coolant

OAT PG-25 Computer Coolant is a propylene glycol based fully formulated, CAB flux compatible, long-life, proprietary organic additive technology designed for use in computer and general heat transfer fluid applications. It is designed to provide excellent heat transfer and corrosion protection in these applications. The product does not contain any 2-EHA (ethyl hexanoic acid), borate, nitrite, amine and silicate. This product requires no further dilution prior to use.

Applications

The OAT PG-25 Computer Coolants corrosion inhibitor package is designed to protect copper, brass, steel, cast iron, aluminum and magnesium from pump cavitation and corrosion in a wide variety of applications. These applications include but are not limited to computer cooling, heating, ventilating and air conditioning (HVAC), industrial, marine, automotive and heavy duty on-road / off-road applications. In general, the proprietary formulation used in OAT PG-25 provides long life performance in that the inhibitor package depletes very little over time when used as designed.

The product is ready to use and requires no further dilution prior to use.

Performance features and Benefits

- Up to 8 years in a computer coolant application when maintained with extender (booster) as per equipment manufacturer directions
- Limited maintenance requirements
- Product protects aluminum, brass, copper, stainless steel, cast iron, steel against corrosion and pump cavitation
- Product is free of 2-EHA (2-ethylhexanoic acid), borate, nitrite, amine and silicate
- Product will assist with high temperature corrosion protection of aluminum and is compatible with all aluminum radiators
- Product is more environmentally acceptable through the use of lower toxicity materials and no heavy metals
- Product inhibits the growth and proliferation of most microbes and fungi

When stored undercover in a properly sealed system away from moisture and direct sunlight, this product should be suitable for use for up to 8 years after manufacture. Do not use galvanized steel for pipes or any part of the storage and handling system.

• Specifications

The corrosion inhibitor package in OAT PG-25 Computer Coolant was designed for use with the following OEM and industrial specifications:

CoolIT 756-00003



Product Technical Data Sheet

- Health & Safety**

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from your Recochem representative.

- Protect the Environment**

Take used coolant products to an authorized collection point. Do not discharge into drains, soil or water.

Typical Product Properties

Characteristic	Performance	Test Method
Appearance	Yellow, clear bright and particulate free	Visual
pH ^a	7.8 – 9.5	ASTM D1287
Specific gravity ^b	1.015 - 1.035	ASTM D1122
Freeze point ^a , °C/°F	-11/12	ASTM D1177
Specific Heat Capacity Btu/ft ³ °C @40°C	61.30	
Electrical Conductivity µS/cm (20°C/68°F)	4702 Typ.	APHA 2510
Foam volume, ml	150 max.	ASTM D1881
Foam break time, second	5 max.	ASTM D1881
Reserve Alkalinity, ml	1.5 min.	ASTM D1121
Chloride, ppm	25 max.	ASTM D3634
Amine, ppm	< 5 max.	
Boron, ppm	10 max.	ASTM D6130
2 Ethyl hexanoic acid (2-EHA)	< 5 ppm	
Nitrite	10 max.	ASTM D5827
Silicon from silicate, ppm	< 5 ppm	ASTM D6130
Propylene glycol content, % wt.	25.0 min.	
Inhibitors & water content, % wt.	75.0 max.	

^a as received aqueous solution

^b Measured at 20°C/68°F

NOTICE: This product is shipped in compliance with applicable laws and regulations regarding classification, packaging, shipping and handling. The performance and physical property data described for this product are typical results not sale specifications, except where maximum or minimum is indicated. Refer to Material Safety Data Sheets for further information.

Because use conditions and applicable laws may differ from one location to another and may change with time, the customer is responsible for determining whether product and the information in this document are appropriate for their use and for ensuring that their workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Recochem's warranty is limited to the claims of product meeting stated performance specifications. It is the responsibility of the end-user to determine product suitability as recommended in the owner's manual and to follow engine manufacturer's instructions.



Product Technical Data Sheet

OAT PG-25 Computer Coolant Fluid Properties

25 % PGW				
Fluid Temp (°C)	Density (kg/m ³)	Thermal Conductivity (W/mK)	Specific Heat (10 ³ X J/kg K)	Viscosity (10 ⁻³ X kg/ms)
10	1027.7	0.457	3.889	3.66
20	1023.6	0.469	3.911	2.55
30	1019.3	0.479	3.938	1.80
36	1016.4	0.484	3.952	1.57
40	1014.3	0.487	3.962	1.42
50	1008.8	0.491	3.988	1.12
60	1002.9	0.502	4.010	0.90