Technical Information Bulletin

WEBA TECHNOLOGY

Antifreeze Additive Packages

WEBA Technology makes inhibitor systems for blending glycol and water to make antifreeze/coolants that cover most industry and OEM specifications. Our additive packages allow the finished fluid manufacturer to make everything from automotive light-duty to heavy-duty diesel antifreezes, both conventional and extended life. Our formulations include traditional conventional light and heavy duty, Hybrid Organic Acid Technology (HOAT), NOAT and OAT (Organic acid technology), Poly-organic Acid Technology (POAT) and Multi-Functional Organic Acid Technology for both light and heavy-duty applications. Our series of OAT inhibitors are the latest technology for making long-lasting coolants. The METALGUARD® antifreeze additive packages provide proven corrosion prevention, fluid longevity and ease of blending. WEBA's comprehensive technical expertise and customer support services will assist with problems, the pursuit of new business and new product development.

Technical Support

WEBA can answer questions about ASTM standards and industry specifications as well as help with many other questions relating to antifreeze and glycols. To confirm that your finished product meets the required industry specifications, WEBA's laboratory can help you with problem solving and testing associated with any products containing our inhibitor package.

Quality Control

WEBA's additive packages must pass all our quality control tests prior to shipment. They are tested for conformance with product specifications and industry standards. Certificate of analysis are provided with every shipment. Complete ASTM performance tests are available by request.

Contact Information

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METALGUARD® A65-EXT

Ready-To-Use Coolant Extender/Booster

Product Description and Applications

METALGUARD A65-EXT is a ready-to use, extended life,heavy-duty, SCA precharged coolant booster. The booster or extender is used at half of the coolant's life or 300,000 miles (480,000 kilometers) or 6,000 hours. In a properly maintained coolant the addition of METALGUARD A65-EXT can prolong the life of the initial fill to a maximum of 600,000 miles (960,000 kilometers) or 12,000 hours. The initial fill coolant needs to be properly maintained with appropriate SCA (supplemental coolant additive) and not mixed or topped off with dissimilar coolants. The glycol/water percentages or freeze point also needs to be maintained throughout the time the coolant is in service. After the extender has been added the coolant should be checked on a regular schedule and serviced accordingly. Once the maximum miles or hours has been reached, the cooling system should be drained, flushed and refilled.

Use Instructions

To use METALGUARD A65-EXT determine the size of the cooling system. Add directly to the radiator and do not add the extender to the overflow tank. To calculate the amount use the following formula:

Size of cooling system X 2% (0.02) = amount of A65-EXT required.

Add the extender at 2% of cooling system capacity. That is approximately 1 quart (1 Liter) of A65-EXT to 13 gallons (50 L) of the cooling system size.

TYPICAL USE RATE CHART

Cooling System Capacity Liters	Cooling System Capacity Gallons	A65-EXT Required
22 to 30 L	6 to 8 gal.	0.50 L (20 fl oz)
31 to 38 L	8 to 10 gal.	0.75 L (24 fl oz)
39 to 49 L	10 to 13 gal.	1.00 L (32 fl oz)
50 to 64 L	13 to 17 gal.	1.25 L (40 fl oz)
65 to 83 L	17 to 22 gal.	1.60 L (54 fl oz)
84 to 114 L	22 to 30 gal.	2.15 L (72 fl oz)
115 to 155 L	31 to 41 gal.	3.00 L (96 fl oz)
156 to 197 L	42 to 52 gal.	4.00 L (128 fl oz)

Typical Product Specifications

Appearance	Light yellow liquid
Odor	Slight chemical
Specific Gravity (60°F) (SCA80)	1.130-1.140
pH	11.5-12.5