

WEBA TECHNOLOGY

Antifreeze Additive Packages

WEBA Technology Corp. 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 Corp's comprehensive technical expertise and customer support services will assist with problems, the pursuit of new business and new product development.

Technical Support

WEBA Corp 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 Corp'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® SCA80

Supplemental Coolant Additive

Product Description and Applications

METALGUARD SCA80 helps extend antifreeze-coolant life by providing an additional dose of inhibitors to protect all metals in the engine's cooling systems. It includes additional stabilization for silicates, adds dispersing and suspending agents to help prevent scaling and fouling, and boosts additives that will control cylinder liner pitting, and pump cavitation, erosion and corrosion.

METALGUARD SCA80 increases the nitrite levels in your coolant by virtue of its high nitrite content. METALGUARD SCA80 can be used to convert antifreeze that meets the basic ASTM heavy-duty standard (ASTM D4985) to antifreeze meeting ASTM D6210, the fully-formulated, heavy-duty precharged antifreeze standard. Heavy-duty diesel engine cooling systems must efficiently provide: efficient heat removal, corrosion protection, scaling control and fouling control over long change-out intervals, and under conditions of heavy load factors.

Typical Product Specifications

Appearance	Light amber liquid
Odor	Slight
Specific Gravity (60 ° F) (SCA80)	1.060-1.070
pH	11.5-12.5

Blending and Use Instructions

INITIAL PRECHARGE: When precharging new antifreeze concentrate which contains less than 2400 ppm Nitrite (as NO₂) as confirmed by a reliable test strip or by analysis, add METALGUARD SCA80 per the following guidelines to provide a minimum of 2400 ppm Nitrite:

NEW ANTIFREEZE NITRITE (NO ₂) ppm	ADD THIS VOLUME % SCA80	ADD THIS VOLUME SCA80 - OR - PER 5,000
0	0.90%	45.0 GAL.
500	0.54%	27.0
1000	0.16%	8.0
1200	0.036%	1.8

MAINTENANCE CHARGE: METALGUARD SCA80 may be added to an engine cooling system on a fixed schedule at intervals of 20,000 miles, 250 hours of operation or 3 months to maintain proper inhibitor levels. However, for heavy-duty diesel applications with METALGUARD SCA80 it is best to use nitrites as an indicator of inhibitor levels.

Check the nitrite level with an appropriate test strip or by analysis. If the nitrite level is below the minimum acceptable level (usually 800-1000ppm NO₂) as indicated by a test strip, add one (1.0) ounce of METALGUARD SCA80 per 1 gallon of cooling system capacity (assumed to be 50% coolant & 50% water). Retest and repeat as necessary.