

METALGUARD® SCA81

Supplemental Coolant Additive

Overview

METALGUARD SCA81 helps extend antifreeze-coolant life by providing an additional dose of inhibitors to protect all metals in the engine's cooling systems. It includes components to help prevent scaling and fouling, and boosts additives that will control cylinder liner pitting, pump cavitation, and corrosion.

METALGUARD SCA81 increases the nitrite levels in your coolant by virtue of its high nitrite content. SCA81 can be used to convert coolant that meets the basic ASTM heavy-duty standard (ASTM D4985) to coolant meeting ASTM D6210, the fully-formulated, heavy-duty precharged coolant standard.



Use Instructions

INITIAL PRECHARGE: When precharging new coolant premix 50/50 which contains less than 1200 ppm Nitrite (as NO₂) as confirmed by a reliable test strip or by analysis, add METALGUARD SCA-81 per the following guidelines to provide a minimum of 1200 ppm Nitrite:

NEW coolant NITRITE (NO ₂) ppm	ADD THIS VOLUME % SCA81
0	1.1%
500	0.64%
1000	0.18%
1200	0.01%

Maintenance Charge: METALGUARD SCA81 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 SCA81 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 (1200 ppm NO₂) as indicated by a test strip, add one (1.0) ounce of SCA81 per 1 gallon of cooling system capacity (assumed to be 50/50 premix coolant). Retest and repeat as necessary.



Quality Control & Support

WEBA's products must pass rigorous quality control tests. They are tested for conformance with product specifications and industry standards. Certificates of analysis are provided with every shipment. WEBA Technology can help with many technical questions relating to the finished fluids our additives create, types of glycol and other bases, and assist with issues on products containing our products.

The specifications listed in this bulletin are based on products produced with WEBA's additive packages, virgin glycol and deionized water. To confirm that your finished products meet the required industry specifications, WEBA recommends that you test your glycol and finished products at an accredited laboratory. WEBA will warrant our additive packages only if this procedure and the recommended blending and storage procedures are properly followed and documented. In addition, the glycol or other base fluid used with our additive systems should meet industry or ASTM standards unless specifically exempted in our literature.



Product Specifications

As METALGUARD A80-EXT extender:

Specific Gravity; 70°F/21.1°C	1.054-1.068
pH	10.5-12.0

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