

NANO COOL™ FAQ's

Q. What is NANO COOL™?

A. NANO COOL™ is deionized water with a proprietary blend of Nano materials in suspension. It works differently than other products that use a chemical surfactant to carry the heat. NANO COOL™ carries heat more efficiently and effectively allowing for more consistent coolant temperatures reducing the peak operating temperature ranges. NANO COOL™ IS NOT a chemical surfactant and is a mechanical process dropping water temperature better than products that make the same claims that are mostly chemical based.

Q. How often do I need to replace NANO COOL™ in my radiator?

A. Provided you do not have a system leak or gasket failure NANO COOL™ will last as long as your antifreeze or coolant.

Q. Does NANO COOL™ have anti-freeze properties?

A. No, NANO COOL™ was designed to make your antifreeze or coolant a super coolant that performs more consistently and efficiently under the most arduous mechanical duty cycles. If you have a need for cold weather or anti-corrosive properties, you would still need to use anti-freeze and or an anti-corrosive to the system.

Q. How many gallons of water does the NANO COOL™ 16 oz. bottle treat?

A. A 16 ounce bottle of NANO COOL™ will treat between 2.5-3.5 gallons of antifreeze or coolant.

Q. Can I run NANO COOL™ straight (undiluted) and not use the appropriate dilution rate?

A. Nano Pro MT™ will not endorse doing this for normal over the road consumer or commercial use. However, we have had some race teams to run higher ratios in their systems. This is only done after testing to validate the correct ration for optimum performance of the product.

Q. Why is NANO COOL™ black/grey in color?

A. The proprietary Nano materials used in NANO COOL™ are darker in color and one of the predominant colors is black. It is simply a function of the base nano particles.

Q. Is NANO COOL™ safe for the rubber seals in my cooling system?

A. Yes, and while seal life was a secondary concern, the Nano materials in NANO COOL™ appear to actually keep the rubber and gasket materials soft and supple as original for an extended period of time over traditional antifreeze or coolant products; an added benefit.

Q. Will I experience any agglomeration issues using NANO COOL™?

A. No, again the materials in NANO COOL™ stay in suspension for an extended period or will return to suspension with very little agitation. The materials in NANO COOL™ will not agglomerate under heat or load in your engine. This agglomeration issue has been overcome by the technologies of NanoProMT.

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Q. Will the NANO COOL™ fall out of suspension since it is Nano materials suspended in deionized water?

A. No not for a very long time, and the Nano Pro MT nano materials will go back suspension with very little agitation; far less agitation than a vehicles water pump will provide. To see this in action try this at home, shake a bottle of NANO COOL™ then pour some of the contents into a small clear jar (glass or plastic) screw the lid on tight and put the jar on your window ledge. Don't touch it and see how many weeks it takes for the Nano materials to start to settle. Once the materials appear to be settling tap on the jar to see how little force it take to re-suspend the Nano particles in NANO COOL™.

Q. What is the typical temperature drop I can expect to see in using NANO COOL™ in my cooling system?

A. It varies depending on a number of variables. Testing has shown for the maximum drop, higher water concentrations work best and delivers greater cooling benefits over the lower thermal efficiency of a 50/50 glycol antifreeze mix. Additional variables can be the amount of corrosion in your cooling system, or the mechanical condition of the cooling system. Average temperature drops in NASCAR and IMSA cars were 7-12F degree drops, in motorcycle and ATV racing 12F+ degree drops, in many Class 8 OTR trucks 13F+ degree drop, and the average passenger vehicle with a 50/50 antifreeze blend showed a 6F+ degree drop. With thermostatic systems in average passenger vehicles, the added benefit of NANO COOL™ was the ability of the cooling system to maintain lower temperatures at high loads and temperatures. The biggest gains were the overall consistent operating temperature and removals of heat even at idle with no outside airflow on the cooling system.

Q. Why NANO COOL™?

A. Simple. By reducing the heat in anything and everything mechanically, rubber or otherwise, and it will last longer.

Q. How does NANO COOL™ work?

A. It's about Surface Area. The best way to illustrate this is if you place a 500 lb. block of ice floating in a swimming pool on a 100 degree F day, it will melt but not very efficiently. Now if you break the same block of ice into billions of ice chips the ice will melt faster due to the greater surface area which results in greater heat transference. Our Nano materials work in the same manner, but utilizing the most thermally efficient Nano materials instead of ice chips. Increased surface area of the particles work to move the heat from the coolant to radiator and from the engine more efficiently.

Q. Will NANO COOL™ in-validate my manufactures warranty?

A. No, NANO COOL™ will not void your passenger or commercial vehicle warranty.

Q. Is NANO COOL™ safe to use with older classic or muscle cars?

A. Yes, NANO COOL™ is safe to use in all vehicle types, and may help older vehicles with smaller or older more inefficient cooling systems avoid some of the overheating issues vintage car owners may experience in summer traffic.