



DATA SHEET
NYACOL® NyaCAT FC™

NyaCAT FC™ COLLOIDAL CERIA DISPERSION

NyaCAT FC is a dispersion of 15 nm ceria particles in C11–C13 Isoparaffin. The product is 3.6% wt% in the hydrocarbon carrier. The product is a transparent yellow to light tan color and is non-settling.

NyaCAT FC is added to the diesel fuel at 5–10 ppm active catalyst and is delivered premixed to the combustion chamber for maximum benefit. The unique composition of NyaCAT FC ensures that high activity is maintained in the combustion process. This is unlike conventional additives which decompose in the 2000°C combustion process.

NyaCAT FC provides improved fuel economy, removes engine deposits, and reduces harmful exhaust emissions. NyaCAT FC changes the way fuel burns, so more useful work is delivered, and the burning of engine deposits results in a cleaner, more fuel-efficient engine. Fuel economy is improved 4–8%, resulting in a decrease in CO₂ emissions and the reduction of soot through improved combustion.

USING NyaCAT FC

NyaCAT FC is easy to use. The product splash-blends easily in storage tanks and is stable as a result of the advanced colloidal chemistry. Nyacol can provide recommendations on dosing equipment for central storage systems and on-board dosing units for individual vehicles.

The product is typically used at one part of NyaCAT FC to 4000 parts of diesel. NyaCAT FC is compatible with all standard diesel fuel additive packages.

TYPICAL PROPERTIES

Chemical Formula:	CeO ₂
Carrier:	C11–C13 Isoparaffin
Particle Size, Z Avg., nm:	15
H ₂ O, % by K–F:	<0.1
Solids, %:	3.6
Appearance:	Transparent yellow dispersion

PACKAGING

NyaCAT FC is available in 5-gallon pails and 55-gallon drums.

STORAGE

NyaCAT FC should be stored at normal warehouse conditions.

SAFETY

Users should observe precautions printed on the packaging label. A Material Safety Data Sheet for this product will be supplied on request.

TO ORDER MATERIAL OR FOR INFORMATION

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