

How DEF Works



Diesel Exhaust Fluid (DEF) is used in conjunction with SCR technology to reduce harmful pollution from heavy duty diesel vehicles by more than 90% due to the EPA's implementation of the 2010 EPA Diesel Emission Standards.

What is SCR?

Selective Catalytic Reduction (SCR) Technology uses Diesel Exhaust Fluid, a solution comprised of 32.5% urea & 67.5% de-ionized water to reduce NOx emissions to near zero.

SCR is a well established, safe technology that is already used in the denoxing of power plants burning fossil fuels

Advantages of SCR

- Better Fuel Economy
- Meets 2010 Vehicle Emission Standards for Diesel Engines
- Improves Engine Lubrication & Filter Life

Why UltraPure?

UltraPure DEF contributes by reducing particulate matter emissions and breaking down NOx into harmless nitrogen and water. With the use of DEF, 2.6 million tons of smog-causing NOx emissions will be reduced yearly.

Benefits of UltraPure DEF

- Safe, environmentally friendly solution for SCR
- High quality, formaldehyde free, NOx reducing treatment specifically formulated for diesel engines equipped with SCR
- Meets stringent AUS 32, DIN 70070, ISO 22241 purity & concentration standards
- Certified by the American Petroleum Institute (API)