

# SHELL ROTELLA™ DEF

Diesel Exhaust Fluid



**Shell Rotella™ DEF Diesel Exhaust Fluid** is formulated to work with Tier 4 Selective Catalytic Reduction (SCR) emission systems designed to reduce the nitrogen oxides (NOx) emissions. Along with diesel particulate filters, these systems help produce cleaner burning diesel engines ever produced. **Shell Rotella™ DEF Diesel Exhaust Fluid** is a high purity DEF meeting the stringent requirements of ISO 22241 (AUS 32) for use in most 2010 and later on-road diesel trucks, cars and a growing number of off-road and stationary diesel engines as emissions reduction deadlines approach. **Shell Rotella™ DEF Diesel Exhaust Fluid** conforms to manufacturing standards and certification requirements for API Certified Diesel Exhaust Fluid. This high quality is required by equipment manufacturers for the performance of their emission systems requiring DEF.

- For use in all SCR emission control systems
- Meets ISO 22241 and API certifications
- Non-toxic, and colorless
- Non-flammable, and non-polluting

**Storage and Handling** DEF is designed to breakdown at elevated temperatures. Industry standard requirements specify storage between 23° F (-5° C) to 86° F (30° C) for maximum shelf life. The box housing the DEF bottle helps prevent exposure to sunlight and other UV light, also helping to maintain shelf life. DEF is typically made with a shelf life up to 2 years from the time of manufacture. Signs of problems in storage will include crystals forming in containers, pressurization of sealed bottles or loss in volume.

**Usage Rate** Diesel exhaust fluid usage will depend on the fuel usage, load of the vehicle, and the level of emissions the engine design naturally produces. A usage rate of 1-2% of diesel fuel use is expected. The EPA requirements for diesel exhaust fluid systems in light duty is a minimum of 4,000 miles between fill up of tank. Light duty car manufacturers often target DEF fill up with oil change with diesel pickups about every 5,000 to 7,000 miles.

**Shell Rotella™ DEF IS AVAILABLE IN 2.5-GALLON CASES, 55-GALLON DRUMS AND 275-GALLON TOTES DO NOT ADD TO FUEL TANK. DO NOT MIX WITH DIESEL FUEL. Shell Rotella™ DEF IS READY TO USE. DO NOT ADD WATER**

SHIPPING INFORMATION	JUG	DRUM	TOTE
Item Number	12766	Coming Soon	Coming Soon
Package Quantity	1 x 2.5 Gallon	4 x 55 Gallon	1x 275 Gallon
Package Dimensions	9.75" x 8" x 12.25"	23.5" x 34.5"	40" x 48" x 46"
Gross Container Weight	≈ 24 Pounds	≈ 550 Pounds	≈ 2636 Pounds
Gross Weight on Pallet	≈ 2357 Pounds	≈ 2225 Pounds	≈ 2636 Pounds
Quantity per Pallet	96	4	1
Pallet Dimensions	40" x 48" x 54.5"	40" x 48" x 54.5"	40" x 48" x 54.5"
UPC Code	059934909484	Coming Soon	Coming Soon

TECHNICAL INFORMATION	
Fluid Color	Clear
Urea	32.5%
Deionized Water	67.5%
pH	9.0-10.0
Usage Rate	2%



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