



# Product Bulletin



## GULF PureDEF Diesel Exhaust Fluid

**Gulf PureDEF** is premium Diesel Exhaust Fluid (DEF) formulated with 32.5% purified urea and 67.5% ultra pure deionized water. It is engineered for use in modern diesel engines with Selective Catalytic Reduction (SCR) technology to significantly reduce nitrogen oxide (NOx) content in diesel engine exhaust streams. **Gulf PureDEF** is an API Certified Diesel Exhaust Fluid that meets the stringent quality requirements as defined by ISO22241-1.

**Consumption:** DEF is directly related to fuel consumption and will typically be used at approximately 2% - 3% of the fuel consumed. As an example, a truck averaging 6 MPG can expect to go approximately 300 miles on one gallon of DEF.

**Storage and Handling:** **Gulf PureDEF** is non-hazardous, non-toxic, non-flammable and readily bio-degradable. Avoid freezing, DEF will begin to crystallize and freeze at 12°F. Ideal storage temperature is between 12°F and 85°F for shelf life of up to two years. The freezing and unthawing of DEF will not cause degradation of the product.

**Packaging:** **Gulf PureDEF** is available in a variety of sizes: 2.5 gallon bottles, 55 gallon drums, 275-gallon and 330-gallon totes, and Bulk.

### Typical Properties

Parameter	Typical Value
Product Number	910000
Urea Concentration	32.5 +/- 0.7%
Pounds/Gallon	9.09 typical
Specific gravity at 20° C	1.087 – 1.093 kg/m3
Refractive index at 20° C	1.3814 – 1.3843
Free Ammonia (alkalinity)	0.2% max
Biuret	0.3% max
Formaldehyde	None
Insoluble matter	20 ppm max

#### AVAILABILITY:

**Gulf PureDEF** is available throughout Gulf's marketing area. Your Gulf representative can provide specific information. Need additional information? Call Gulf @ 1-800-566-GULF (4853) or visit [Nu-tierbrands.com](http://Nu-tierbrands.com).

*This product will typically have similar physical characteristics as those listed above. Product characteristics may vary slightly, depending on the source. Although the information here is provided in good faith and believed to be reliable, Nu-Tier Brands makes no guarantee, warranty or representation as to the suitability of the product for any purpose, and the user accepts full responsibility to determine the suitability of the product for its own use. Nu-Tier Brands' liability for damages or losses shall be limited to replacement of the product or refund of the purchase price, at Nu-Tier Brands' option. In no event shall Nu-Tier Brands be liable for any special or consequential damages.*

**NU-TIER BRANDS, INC.**

01/16

UNDER LICENSE FROM GULF OIL LP • TULSA, OK 74133 • Phone 918-550-8026 • [www.gulf lubricants.net](http://www.gulf lubricants.net) or [www.Nu-Tierbrands.com](http://www.Nu-Tierbrands.com)