

## PRODUCT SPECIFICATION SHEET

### Diesel Exhaust Fluid (DEF)

Typical Chemical Analysis	
Parameter	Typical
Urea Concentration	32.5 +- 0.7 %
Density at 20 °C	1087.0 - 1093.0 kg/m <sup>3</sup>
Refractive Index at 20 °C	1.3814 - 1.3843
Free Ammonia (alkalinity)	0.2% max
Biuret	0.3% max
Aldehydes	5 ppm max
Insoluble Matter	20 ppm max
Phosphates	0.5 ppm max
Calcium	0.5 ppm max
Iron	0.5 ppm max
Copper	0.2 ppm max
Zinc	0.2 ppm max
Chromium	0.2 ppm max
Nickel	0.2 ppm max
Aluminum	0.5 ppm max
Magnesium	0.5 ppm max
Sodium	0.5 ppm max
Potassium	0.5 ppm max
Water Quality	DEMIN - ISO 3696 Applicable

**Comments:**

DEF meets the quality requirements defined by ISO22241-1.

Please obtain a Material Safety Data Sheet for more information

The Material Safety Data Sheet ("MSDS") for this product contains important environmental, health and safety information regarding this product, including information concerning the handling and storage of this product. Copies of the MSDS for this product can be obtained at [www.cfindustries.com](http://www.cfindustries.com) or by contacting your CF representative.

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