

DEF

Diesel Exhaust Fluid



Features & Benefits

- API Certified
- Nontoxic, nonpolluting, nonhazardous and non-flammable
- Smells like ammonia
- IRVING DEF is contained in a separate tank and sprayed from the SCR (Selective Catalytic Reduction) systems into the exhaust gases
- Store in cool dry well-ventilated area out of direct sunlight
- IRVING DEF transforms harmful nitrogen oxide emissions from diesel powered vehicles into harmless water vapor and nitrogen
- Selective Catalytic Reduction systems can provide better fuel mileage and create less pollution

IRVING DEF is a 32.5% aqueous Urea Solution, AUS 32, a manufactured product of technically pure urea mixed with demineralized quality water designed to meet the specifications of ISO 22241 1:2006 for NOx abatement technologies.

IRVING DEF (Diesel Exhaust Fluid) is produced to exceed the stringent regulations of the 2010 EPA (Environmental Protection Agency) Clean Air Act requirements, reducing harmful Nitrogen Oxide emissions by up to 90% while helping to increase fuel efficiency. When it comes to DEF, quality and purity are what really counts. SCR (Selective Catalytic Reduction) systems are the preferred technology to achieve EPA mandated reductions however DEF contaminants or impurities can cause this system to malfunction or fail. It is critically important to maintain the standards set forth by the ISO 22241-1 program. **IRVING DEF** is certified as a Diesel Exhaust Fluid by the American Petroleum Institute.

Sizes & Order Codes

3.78L/1 US G F0102526	9.46L/2.5 US G Bottle F0102510	208L/54.9 US G F0102550	1250L/330 US G F0102501	Bulk B0101801
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Typical Chemical and Physical Analysis	
Urea Concentration	32.5 +/- 0.7%
Density 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
Aldehydes	5 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
FTIR	Identical to reference



Blending & Packaging

www.irvingblend.com
1.800.574.5823

Check with your sales Representative for latest product approvals. Please note, these are typical performance indicators and can change without notice.