

DEF Diesel Exhaust Fluid



IRVING DEF is a 32.5% aqueous Urea Solution, AUS 32, a manufactured product of technically pure urea mixed with demin quality water designed to meet the specifications of DIN 70070:2005 and ISO 22241 1:2006 for NOx abatement technologies.

IRVING DEF is certified as a Diesel Exhaust Fluid by the American Petroleum Institute.

IRVING DEF transforms harmful nitrogen oxide emissions from diesel powered vehicles into harmless water vapor and nitrogen.

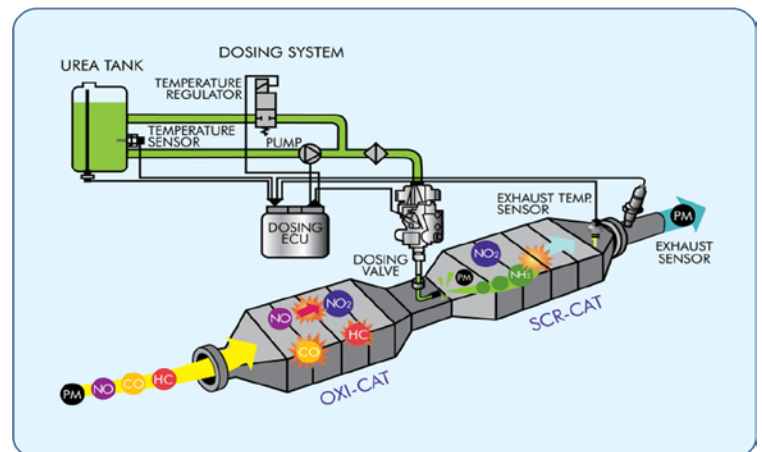
IRVING DEF is contained in a separate tank and sprayed from the SCR (Selective Catalytic Reduction) systems into the exhaust gases.

Features

- API Certified
- Nontoxic, nonpolluting, nonhazardous and non-flammable
- Smells like ammonia
- Store in cool dry well-ventilated area out of direct sunlight

Benefits

- 2 year shelf life if kept out of direct sun
- Transforms harmful emissions to water vapor
- Adheres to clean air initiatives
- Selective Catalytic Reduction systems can provide better fuel mileage and create less pollution



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Typical performance results

Typical Chemical and Physical Analysis	
Parameter	Typical
Urea Concentration	32.5 +/- 0.7%
Specific gravity at 20° C	1.087 – 1.093 kg/m ³
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
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

Available sizes & part numbers

	2 x 2.5 Gallon Case	208 L	1041L cube	1250 L cube	Bulk
Irving DEF	F0102520	F0102550	F0102560	F0102565	B0102501

Check with sales representative or website for the latest product approvals.



Lubricants

www.irvinglubricants.com