



# PETRON PLUS™

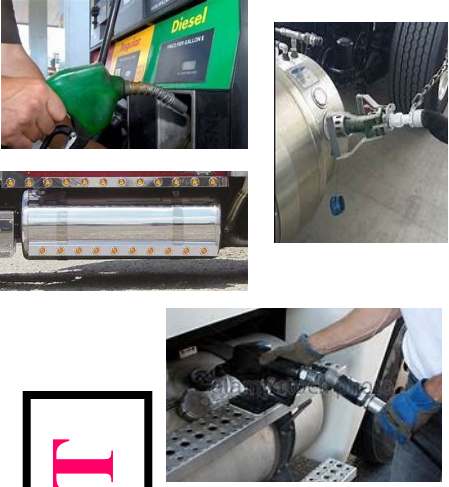
## FORMULA 7



# PETRON PLUS™

## FORMULA 7

### DIESEL EXHAUST FLUID



▶ **PART NO.'S: 23060-1g, 23060-5g, 23060-55g**

**TECHNICAL DATA SHEET**

Petron Plus™ Formula 7 Diesel Exhaust Fluid is formulated with the high quality urea and pure water.

Petron Plus™ Formula 7 Diesel Exhaust Fluid, API Certification is pending.

Petron Plus™ Formula 7 Diesel Exhaust Fluid is approved for all SCR equipped diesel engines in large fleet trucks, pick-ups, off road equipment and power generators.

Petron Plus™ Formula 7 Diesel Exhaust Fluid is Non-Hazardous, Non-Flammable, Non-Toxic and has a two (2) year shelf life when not stored out doors in the dust, dirt, rain, snow or hot temperatures. The ideal temperature range for maximum shelf life is 23°F. to 86°F,

Petron Plus™ Formula 7 Diesel Exhaust Fluid is available in 1 gallon Jugs, 5 gallon Pails, 55 gallon drums, 275 & 330 gallon totes, and bulk.

The usage rate of DEF will depend on the diesel fuel usage, the load (weight) of the vehicle, and the level of emissions of the engine design naturally produces.

A use rate of One (1%)-to-Two (2%) percent of diesel fuel is expected.

The EPA requirements for Diesel Exhaust Fluid (DEF) Systems in light duty is a minimum of 4,000 miles (6437.2 kilometers) between fill up of tank.

Light duty car manufactures often target DEF fill up with oil change with diesel pick-ups about every 5,000 to 7,000 miles.

Commercial vehicles and off-road equipment must not use DEF faster than the fuel capacity of the equipment.

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**APPLICATIONS:**

1. For all SCR equipped diesel engines in large fleet trucks, pick-ups, off road equipment and power generators.

**FEATURES:**

1. Non-Hazardous.
2. Non-Flammable.
3. Non-Toxic.
4. Two (2) year shelf life when stored out of direct sunlight.

**BENEFITS:**

1. Wide application range.
2. Non-Hazardous.
3. Non-Flammable.
4. Non-Toxic.

**Petron Plus MN**  
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 612-363-7176 | PetronPlusMN.com

**TYPICAL SPECIFICATIONS:**

**PETRON PLUS™**  
**FORMULA 7**  
**DIESEL EXHAUST FLUID**

Part No.	23060
Specific Gravity, 32.5%; @ 68°F.	1.087-1.093 @ 20°C
Density, lbs. per gallon,	9.1 lbs. / USG-4.13 kg / 3.785L
Flash Point, COC, °F.,	Not Applicable
Percent Volatiles,	Not Applicable
Vapor Pressure, @ 20°C.,	220 mmHg
Boiling Point (50% urea sol'n) °F. (°C.),	224 (106)
pH, Typically,	10.0
Water Solubility, %,	100%
Odor,	Mild ammonia
Color,	Clear

**PRODUCT SPECIFICATIONS**

Characteristics / Unit	Test Results
Urea Content, %(m/m),	32.3
Refractive Index, @ 20°C.,	1.3825
Alkalinity as NH <sub>3</sub> ,	0.01
Biuret, %m/m,	0.065
Aldehydes, mg/kg,	0.1
Insoluble matter, mg/kg,	4.4
Phosphate (PO <sub>4</sub> ), mg/kg,	0.05
Calcium, mg/kg,	0.13
Iron, mg/kg,	0.01
Copper, mg/kg,	0.00
Zinc, mg/kg,	0.00
Chromium mg/kg,	0.00
Nickel, mg/kg,	0.00
Aluminum, mg/kg,	0.05
Magnesium, mg/kg,	0.05
Sodium, mg/kg,	0.24
Potassium, mg/kg,	0.00

An operator should fill the DEF tank with every fuel stop and/or fill-up.

What happens if someone doesn't use DEF? The system will first give a warning light that the DEF Tank is low. Next comes a "Limp" mode with reduced speed or performance. The final stage is either engine shutdown or very limited operation.

**APPLICATIONS**

Diesel Exhaust Fluid (DEF) is for use in cars, trucks and equipment with SCR equipment emission systems requiring diesel exhaust fluid.

This applies primarily to model year 2010 and later vehicles and equipment with diesel engines.

**Distributed By:**

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