

# Blue DEF<sup>®</sup>

DIESEL EXHAUST FLUID

## DESCRIPTION

PEAK<sup>®</sup> BlueDEF<sup>®</sup> is a mixture of 32.5% high purity synthetic urea and 67.5% deionized water that is used in selective catalytic reduction (SCR) systems on diesel engines. DEF is the primary ingredient used to help convert NO<sub>x</sub> to harmless nitrogen and water. BlueDEF<sup>®</sup> is stable, colorless, non-flammable, and is classified as minimum risk for transportation. BlueDEF<sup>®</sup> conforms to the ISO 22241-1 specification for DEF, is API registered and meets or exceeds OEM specifications.

PEAK<sup>®</sup> BlueDEF<sup>®</sup>'s exclusive TRIPLE-FILTERED formula ensures the highest product purity. Every batch is guaranteed pure.

## MATERIALS RECOMMENDED FOR USE WITH BLUEDEF<sup>®</sup>

- Highly alloyed austenitic Cr-Ni-Mo steels or stainless steel 304 (S30 4 00), 304L (S30403), 316 (S31600) AND 31 6L (S31603) in accordance with ASTM A240, ASTM A276, and ASTM A312
- Titanium
- Ni-Mo-Cr-Mn-Cu-Si-Fe Alloys, e.g. Hastelloy c/c-276
- Polypropylene, free of additives
- Polyethylene, free of additives
- Perfluoroalkoxyl Alkane (PFA), free of additives
- Polyfluoroethylene (PFE), free of additives
- Polyvinylidene fluoride (PVDF), free of additives
- Polytetrafluoroethylene (PTFE), free of additives
- Copolymers of Vinylidenefluoride and Hexafluoropropylene, free of additives

## MATERIALS NOT RECOMMENDED FOR USE WITH BLUEDEF<sup>®</sup>

- Carbon Steels, Zinc Coated Carbon Steels, and Mild Iron
- Non ferrous metals and alloys: Copper, Copper Alloys, Zinc, Lead
- Solders containing Lead, Silver, Zinc, or Copper
- Aluminum, Aluminum Alloys
- Magnesium, Magnesium Alloys
- Plastics or metals coated with Nickel



# GUARANTEED PURE

AMERICA'S  
**#1**  
DEF BRAND



## FEATURES & BENEFITS

- PEAK<sup>®</sup> BlueDEF<sup>®</sup>'s exclusive TRIPLE-FILTERED formula ensures the highest product purity
- America's #1 brand of Diesel Exhaust Fluid
- Purity Guarantee is our assurance the DEF you are purchasing has been tested to meet or exceed the strictest OEM standards
- Conforms to the ISO 22241-1 specification for DEF, and is an American Petroleum Institute (API) certified diesel exhaust fluid
- Compatible with all diesel SCR systems
- Non-flammable formula makes handling safe and easy



DEF ISO 22241

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**Blue**  
**DEF**  
DIESEL EXHAUST FLUID

## HANDLING AND STORAGE

The shelf life of DEF is directly related to the temperature at which it is stored. Storage temperatures between 23°F and 86°F are recommended to maintain optimal shelf life of up to two years. If BlueDEF® freezes, its efficacy will not be affected upon thawing. To maintain the purity of DEF and not harm the SCR catalyst system care must be taken regarding the material of construction for all items that come in contact with the DEF solution. Included from the ISO 22241-1 standards are the recommended and not recommended materials for contact with DEF.

## PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	>212° F
Freezing Point	12° F
Pounds/Gallons	9.09
Specific Gravity (Water=1)	1.09
Vapor Pressure (mm of Hg)	Not applicable
Vapor Density (Air=1)	0.6 H <sub>2</sub> O >1
Water Solubility	100%
Appearance	Colorless, clear liquid
Odor	None to slight ammonia



®  
DEF ISO 22241

## PACKAGING OPTIONS

### 2.5 Gallon

### 55 Gallon Drum

### 330 Gallon Tote



	2.5 Gallon	55 Gallon Drum	330 Gallon Tote
Part Number	DEF0C2	DEF001	DEF330P
UPC Code	0-74804-05527-6	0-74804-03522-3	0-74804-03309-0
Case SCC-14 Code	1-00-74804-05527-3		
Pack/Unit Case	1 per case		
Weight/Case	22.75 lbs.	522.5 lbs. (per drum)	3,148 lbs. (per tote)
Case Dimensions	9.5"W x 9.5"L x 10"H	22.5" dia. x 35.5" high	40"W x 48"L x 53"H
Cases Per Pallet	80	4 (drums)	1 (tote)
Pallets/Cases Per Truck	22/1,760	20	14
Units Per Truck	1,760	80	14
Truckload Weight*	41,140 lbs.	42,822 lbs.	44,068 lbs.
Pallet Size	40"W x 48"L x 45"H	40"W x 48"L x 40.5"H	40"W x 48"L x 53"H
Pallet Weight*	1,870 lbs.	2,141 lbs.	3,148 lbs.
Cases/Rows High	20/4		

\*includes product and pallet weight



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