

# Blue DEF<sup>®</sup>

Diesel Exhaust Fluid



Another **PEAK** Product  
PERFORMANCE



### WHAT IS BLUEDEF<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 NOx to harmless nitrogen and water.

BlueDEF is stable, colorless, non-flammable, non-toxic and is classified as minimum risk for transportation. BlueDEF conforms to the ISO-22241-1 specification for DEF, is API registered and meets or exceeds OEM specifications.

### BLUEDEF HANDLING AND STORAGE

The shelf life of DEF is directly related to the temperature at which it is stored. Storage temperature between 12° and 86° F are recommended to maintain optimal shelf life of up to two years. If BlueDEF freezes, its efficacy will not be effected 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.

### DO'S AND DON'TS FOR PROPER USE OF BLUEDEF

- Do fill DEF in designated DEF Tank
- Do keep DEF dispense equipment clean, and free from dust or dirt
- Do use only dedicated DEF equipment when handling/dispensing DEF
- Do not fill DEF into Diesel fuel tank
- Do not fill Diesel fuel into DEF tank
- Do not add water to DEF

### PACKAGING OPTIONS



**1 Gallon**  
Part# DEF003



**2.5 Gallon**  
Part# DEF002



**55 Gallon Drum**  
Part#  
DEF001 (Plastic Valve)  
DEF001S (Stainless Steel Valve)



**275 Gallon Tote<sup>†</sup>**  
Part#  
DEF275P (Plastic Valve)  
DEF275S (Stainless Steel Valve)

<sup>†</sup>ALSO AVAILABLE  
IN 330 GALLON  
TOTE AND IN BULK.

UPC Code	0-74804-02567-5	0-74804-03211-6	0-74804-03522-3	0-74804-03308-3
Case UPC Code	0-74804-12567-2			
Case SCC-14 Code	1-00-74804-02567-2	1-00-74804-03211-3		
Pack/Unit Case	4 per case	1 per case		
Weight/Case	37 lbs.	22.75 lbs.	522.5 lbs. (per drum)	2,635 lbs. (per tote)
Case Dimensions	15"w x 8.5"l x 12.25"h	9.5"w x 9.5"l x 10"h	22.5" dia. x 35.5" high	39.375"w x 47.25"l x 45.75"h
Cases Per Pallet	48	80	4 (drums)	1 (tote)
Pallets/Cases Per Truck	22 / 1,056	22 / 1,760	20	14
Units Per Truck	4,224	1,760	80	14
Truckload Weight*	40,172 lbs.	41,140 lbs.	42,800 lbs.	37,950 lbs.
Pallet Size	40"w x 48"l x 53.75"h	40"w x 48"l x 44.75"h	40"l x 48"w x 40.25"h	40"l x 48"w x 50.5"h
Pallet Weight*	1,826 lbs.	1,870 lbs.	2,140 lbs.	2,685 lbs.
Cases/Rows High	12/4	20/4		

\*includes product and pallet weight (50 lbs. each)

### Distributed By:

Manufactured by Old World Industries, LLC, 4065 Commercial Avenue, Northbrook, IL 60062-1851  
Call 1-877-845-ODEF (0333) or visit us on the web at [www.bluedef.com](http://www.bluedef.com)

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### MATERIALS RECOMMENDED FOR USE WITH DEF

Highly alloyed austenitic Cr-Ni-Mo-steels or stainless steel 304 (S30400), 304L (S30403), 316 (S31600) AND 316L (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 Vinylidene fluoride and Hexafluoropropylene, free of additives

### MATERIALS NOT RECOMMENDED FOR USE WITH DEF

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

### PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	>212° F
Crystallization 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
Evaporation Rate:	<1