



Blue DEFTM

DIESEL EXHAUST FLUID

APPROVED FOR USE IN ALL DIESEL SCR SYSTEMS



WHAT IS BLUEDEF®?

BlueDEF® 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_x 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.

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 ₂ O >1
Water Solubility	100%
Appearance	Colorless, clear liquid
Odor	None to slight ammonia
Evaporation Rate	<1

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

PACKAGING OPTIONS



1 Gallon
Part# DEF003



2.5 Gallon
Part# DEF002



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



275 Gallon Tote*
Part# DEF275P (Plastic Valve)
Part# DEF275S (Stainless Steel Valve)

**ALSO AVAILABLE
IN 330 GALLON
TOTE AND IN BULK.*

UPC Code	0-74804-02567-5
Case UPC Code	0-74804-12567-2
Case SCC-14 Code	1-00-74804-02567-2
Pack/Unit Case	4 per case
Weight/Case	37 lbs.
Case Dimensions	15"w x 8.5"l x 12.25"h
Cases Per Pallet	48
Pallets/Cases Per Truck	22 / 1,056
Units Per Truck	4,224
Truckload Weight*	40,172 lbs.
Pallet Size	40"w x 48"l x 53.75"h
Pallet Weight*	1,826 lbs.
Cases/Rows High	12/4

UPC Code	0-74804-03211-6
Case UPC Code	1-00-74804-03211-3
Pack/Unit Case	1 per case
Weight/Case	22.75 lbs.
Case Dimensions	9.5"w x 9.5"l x 10"h
Cases Per Pallet	80
Pallets/Cases Per Truck	22 / 1,760
Units Per Truck	1,760
Truckload Weight*	41,140 lbs.
Pallet Size	40"w x 48"l x 44.75"h
Pallet Weight*	1,870 lbs.
Cases/Rows High	20/4

UPC Code	0-74804-03522-3
Weight/Drum	522.5 lbs. (per drum)
Dimensions	22.5" dia. x 35.5" high
Drums Per Pallet	4 (drums)
Drums Per Truck	20
Truckload Weight*	80
Pallet Size	42,800 lbs.
Pallet Weight*	40"l x 48"l x 40.25"l
Cases/Rows High	2,140 lbs.

UPC Code	0-74804-03308-3
Weight/Tote	2,635 lbs. (per tote)
Dimensions	39.375"l x 47.25"l x 45.75"l
Totes Per Pallet	1 (tote)
Totes Per Truck	14
Truckload Weight*	14
Pallet Size	37,950 lbs.
Pallet Weight*	40"l x 48"l x 50.5"l
Cases/Rows High	2,685 lbs.

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



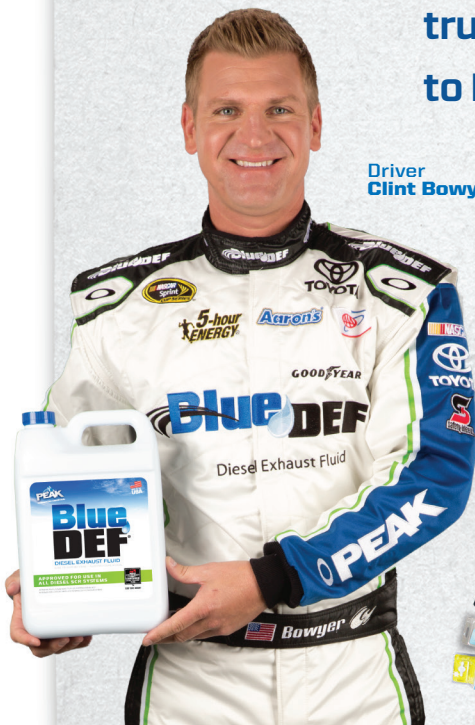
DEF ISO 22241

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HANDLING AND SAFETY INFORMATION Refer to Old World Industries Material Safety Data Sheet (MSDS). The MSDS is available from your PEAK Performance Supplier at www.peakauto.com, or by calling Old World Industries' PEAK technical support line at 1-800-477-5847. We Only Have One World...Please Help Protect It. All laws and regulations should be observed when disposing of Antifreeze/Coolant and Radiator Fluids. Call the EPA or the office of your state or local environmental agency for details on disposal procedures.



We Support
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