

Blue DEF™

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 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 -11°C and 30°C 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.

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	>100° C
Freezing Point	-11° C
Kilograms/Liter	1.089
Specific Gravity (Water= 1)	1.09
Vapor Pressure (mm of Hg)	Not applicable
Vapor Density (Air= 1)	0.6 H2O >1
Water Solubility	100%
Appearance	Colorless, clear liquid
Odor	None to slight ammonia
Evaporation Rate	<1

PACKAGING - 9.46L BOX

Part #	DEF0C2-05
UPC Code	0-74804-05527-6
Case SCC-14 Code	1-00-74804-05527-3
Pack/Unit Case	1 per case
Weight/Case	10.84 Kg
Case Dimensions (L x W x H)	245mm x 245mm x 267mm
Cases per Pallet	80
Pallets/Cases per Truck	22 Pallets/1,760 Cases
Units (Cases) per Truck	1,760
Truckload Weight*	19,579 Kg
Pallet Size	1016mm x 1219mm x 1194mm
Pallet Weight	890 Kg
Cases/Rows High	20/4

*includes product and pallet weight

Please visit bluedef.com/guarantee for more information on our Pure Guarantee. America's #1 DEF Brand based on information provided by the NPD Group, Inc.

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DEF ISO 22241

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