



BlueDEF™

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 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 Ha0 >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



2.5 Gallon

| | |
|-------------------------|-----------------------|
| UPC Code | 0-74804-03211-6 |
| Case UPC Code | |
| Case SCC-14 Code | 1-00-74804-03211-3 |
| Pack/Unit Case | 1 per case |
| Weight/Case | 22.75 lbs. |
| Case Dimensions | 9.5"l x 9.5"w 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 | 48"l x 40"w x 44.75"h |
| Pallet Weight* | 1,870 lbs. |
| Cases/Rows High | 20/4 |

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

ORDERING INFORMATION

| FLUID TYPE | PACKAGE | PART # |
|--------------------------------------|-------------|---------|
| PEAK BLUEDEF DIESEL EXHAUST FLUID | 1/2.5 GAL - | #DEF002 |



TM
REGISTERED



DEF ISO 22241

Distributed by Taylor Lubricants - 1-800-922-3149
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CHEMISTRY THAT DRIVES COMMERCE™