

Laser DEF Diesel Exhaust Fluid

APPROVED FOR SCR-EQUIPED ENGINES

DEF ISO 2241

PRODUCT DESCRIPTION

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

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 Laser DEF 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. (See the ISO-22241-1 standards for the listing of recommended and not recommended materials for contact with DEF.)

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	>212° F	Vapor Density (Air=1)	0.6 H2O >1
Crystallization Point	12° F	Water Solubility	100%
Pounds/Gallons	9.09	Appearance	Colorless, clear liquid
Specific Gravity (Water=1)	1.09	Odor	None to slight ammonia
Vapor Pressure (mm of Hg)	Not applicable	Evaporation Rate	<1

PACKAGING

	2.3 Gallon	55 Gallon Drum	275 Gallon Tote	Bulk Sales
Pack/Unit Case	2 per case	522.5 lbs. (per drum)	2,581 lbs. (per tote)	n/a
Weight/Case	45.5 lbs.	22.5" dia. x 35.5" high	48"l x 40"w x 46"h	n/a
Case Dimensions	16"l x 10"w x 12.75"h	4 (drums)	1 (tote)	n/a
Cases Per Pallet	40	20	16	n/a
Pallets/Cases Per Truck	22 / 880	80	16	n/a
Units Per Truck	1,760	42,800 lbs.	42,944 lbs.	500-6000gal.
Truckload Weight*	41,140 lbs.	40"l x 48"w x 40.25"h	48"l x 40"w x	
Pallet Size	48"l x 40"w x 44.75"h	2,140 lbs.	46"h 2,581 lbs.	
Pallet Weight*	1,870 lbs.			
Cases/Rows High	10/4			