



PRODUCT DESCRIPTION

ALLIANCE PARTS Diesel Exhaust Fluid 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. It is stable, colorless, non-flammable, non-toxic and is classified as minimum risk for transportation. ALLIANCE PARTS 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 ALLIANCE PARTS DEF freezes, its efficacy will not be effected upon thawing. To maintain the purity of DEF and not harm the SCR 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)

BACKGROUND INFORMATION

The challenge facing heavy duty OEMs is further reducing the oxides of Nitrogen (NOx) into the air. The Environmental Protection Agency (EPA), OEMs, and many trucking fleets committed themselves to a cleaner environment by reducing NOx emissions. To reduce NOx emissions, most new trucks are equipped with a Selective Catalytic Reduction (SCR) system. The SCR technology requires the use of Diesel Exhaust Fluid (DEF). The SCR system is a catalyst installed on the exhaust system of a diesel truck. It sprays DEF into the exhaust stream to mix with exhaust gases to convert them to nitrogen and water. Aside from helping the environment, the biggest benefit of SCR for vehicle owners is up to 5% better fuel economy which the technology provides. Because SCR deals with emissions in the exhaust pipe, engineers are able to tune the engine to provide more torque and reduce fuel consumption.



PACKAGING OPTIONS

	2.5 Gallon Part# ABP DEF 002 UPC# 0 74804 07170 2	55 Gallon Drum Part# ABP DEF 001 UPC# 0 74804 07171 9	330 Gallon Part# ABP DEF 330P UPC# 074804 07172 6
Pack/Unit Case	1 per case	-	-
Weight/Case	22.75 lbs.	522.5 lbs. (per drum)	3,148 lbs.
Case Dimensions	9.5"W x 9.5"L x 10"H	22.5"dia. x 35.5" high	40"W x 48"L x 53"H
Cases Per Pallet	80	4 (drums)	1
Pallets/Cases Per Truck	22 / 1,760	20	14
Units Per Truck	1,760	80	14
Truckload Weight*	41,140 lbs.	42,044 lbs.	44,068 lbs.
Pallet Size	40"W x 48"L x 45"H	40"W x 48"L x 40.5"H	40"W x 48"L x 53"H
Pallet Weight*	1,870 lbs.	2,141 lbs.	3,148 lbs.

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

DISTRIBUTED BY
©2019 Daimler Trucks North America LLC
Alliancetruckparts.com
Alliance Parts is a brand of Daimler Trucks North America LLC

API American Petroleum Institute Certified Diesel Exhaust Fluid Design is a registered trademark of the American Petroleum Institute.



DEF ISO 22241

021819