

NEXTGEN BLUE is an emerging manufacturer of urea based NOX abatement solutions.

We have our own world class automatic ISO 9001-2015 certified manufacturing units for producing world class DEF.

We are selling to various OEMs, Test fleets and also sell to Fuel/lubricant distributors, Truck stops, Retail and fuel store marketers, Large fleets who operate in multiple regional locations and the Agriculture, Construction and Mining off-load market.

We also have Marine DEF products available on request.



**We are the leading manufacturer and supplier of DEF Aqueous Urea Solution/ Diesel Exhaust Fluid for SCR diesel vehicles, engines to meet BS IV emission norms in India.**

## WHY CHOOSE US

- 01** We are a group of professional chemical and mechanical engineers with a doctorate degree (Ph.D.) in engineering
- 02** An average of 28 years experience for top MNCs throughout the world
- 03** With such international exposure we are aware of the importance of quality to compete.

## BECOME OUR PARTNER

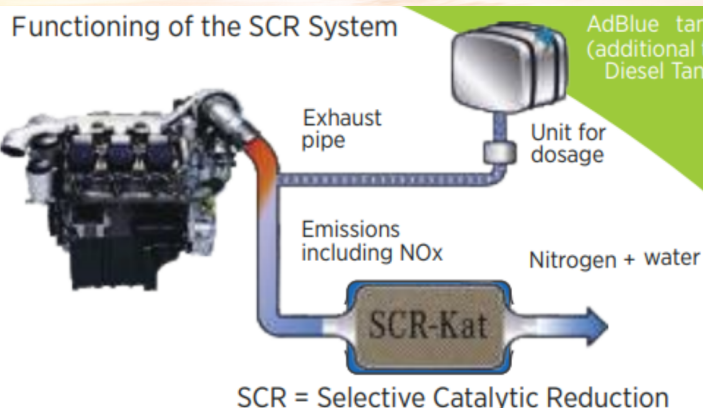
In our Herculean goal to make India a cleaner and greener place we need partners to help us distribute NextGen Blue to thousand and millions of vehicle owners and work with us to make products accessible to them.

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## Functioning of the SCR System



## STANDARD PACKAGING

DEF is delivered in sealed packages and containers  
 DEF 20 Ltr are equipped with a nozzle to provide easy pouring.  
 DEF 210 Ltr drums require additional equipment to maintain the closed system.  
 DEF 1000 Ltr IBC tank equipped with the Micro Matic valve needed to maintain the closed system



20 Ltr. bucket



210 Ltr. drum



IBC 100 ltr



## WHAT IS DIESEL EXHAUST FLUID

Diesel Exhaust Fluid (DEF) is a solution of 32.5% high-purity urea and 67.5% deionized water, used to reduce the amount of air pollution created by a diesel engine.

- It is a non-toxic, high quality and highly pure Aqueous Urea Solution that works with SCR (Selective Catalytic Reduction) technology to chemically change harmful nitrogen oxide (NOx) emissions from heavy-duty diesel vehicles into harmless nitrogen and water.
- Diesel exhaust fluid must be kept free of any metal ions (e.g., Na, K, Mg, Ca, Al and especially heavy metals), because their salts can clog the pores of the ceramic carrier material or poison the active centres of the catalyst thereby rendering it ineffective.

## IMPORTANCE OF PURITY

- ☑ Components of SCR system has very little tolerance to impurity.
- ☑ Less than one tenth of one teaspoon of this minerals can begin to cause damage in the system.
- ☑ Common problems from impurities include
  - Formation of gummy deposits
  - Clogged DEF injector.
  - Damage to the SCR catalyst
- ☑ These changes in the system lead to increased DEF consumption, loss of power, error codes & ultimately system failure.

## HOW MUCH IS THE DIESEL EXHAUST FLUID CONSUMPTION RATE?

Diesel exhaust fluid consumption is expected to be approximately 4-6% of fuel consumption. It may vary depending on vehicle operation, duty cycle, geography, load ratings, etc

## WHERE DO I STORE DEF?

Storing DEF isn't a problem for regular diesel car owners. You'll find pumps at local gas stations where you can fill up your car's DEF tank when it runs low. However, for those operating trucks and other commercial vehicles, it can be useful to have a store of DEF on-site. Diesel exhaust fluid can be stored anywhere as long as it is cool and dry. Direct sunlight should also be avoided if you are storing your own supply of DEF.

## ARE THERE ANY SPECIAL STORAGE REQUIREMENTS FOR DEF?

Diesel exhaust fluid is corrosive in nature hence for storing do not use corrosive materials like copper, nickel, zinc, mild iron or aluminium. Being a corrosive liquid should only be stored in approved materials like high-density polyethylene (HDPE) or stainless steel