



**TECHNO<sup>TM</sup>  
BLUE**

***HIGH  
PURITY  
TRUSTED***  
**DIESEL EXHAUST FLUID**

FOR BS VI DIESEL ENGINES  
ISO 22241 COMPLIANCE

# ABOUT US

**TECHNO  
BLUE**

## WHY CHOOSE US?

### THE SMART CHOICE FOR A CLEANER DRIVE

TechnoBlue is a trusted Diesel Exhaust Fluid (DEF) manufacturer in India, delivering high-purity, ISO-certified DEF for BS6 diesel vehicles. Backed by an experienced team with 30+ years of industry expertise, we operate multiple state-of-the-art manufacturing units with stringent quality control and a nationwide distribution network. Our commitment to innovation, sustainability, and global compliance standards makes TechnoBlue the preferred choice for OEMs, fuel stations, fleet operators, and distributors across India.

- BS6 Compliant & ISO Certified
- Reduces emissions for a cleaner environment
- Ensures fuel efficiency and engine longevity
- Trusted nationwide for consistent performance



## QUALITY MATTERS?

The quality of DEF directly impacts the sensors, DEF injector, and catalytic converter performance, ensuring efficient NOx reduction and compliance with BS6 emission standards. Poor-quality DEF can damage the box sensor and SCR system, leading to increased emissions and costly repairs.

## IS DEF FLAMMABLE?

No, DEF is non-flammable and non-toxic as it consists of 32.5% urea and 67.5% deionized water, making it safe to handle and store. It does not pose any fire hazards and is classified as a non-hazardous chemical under transportation regulations.



### RELIABLE PRODUCT PERFORMANCE

Engineered for consistent purity and efficiency, TechnoBlue DEF ensures optimal SCR system function, enhancing fuel economy and vehicle longevity.



### GLOBAL COMPLIANCE STANDARDS

Our DEF meets ISO 22241 and BS6 emission norms, guaranteeing compatibility with international pollution control regulations.



### COMMITMENT TO SUSTAINABILITY

TechnoBlue prioritizes eco-friendly manufacturing and distribution processes, ensuring reduced environmental impact and a cleaner future.





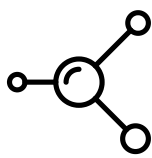
# HOW DEF WORKS

SR.	TEST DESCRIPTION	UNITS	MIN/MAX VALUE
1	Urea Assay	(wt %)	Min 99
2	Granulate Size	%(m/m)	0.85-2.8
3	Moisture	(wt %)	0.5 Max
4	Nitrogen	(wt %)	46 Min
5	Alkalinity as NH3	%(m/m)	Max 0.2
6	Biuret	%(m/m)	Max 0.9
7	Aldehyde	mg/kg	Max 15
8	Free Ammonium	(wt %)	0.6 Max
9	Insoluble matter	mg/kg	Max 15
10	Calcium	mg/kg	Max 0.5
11	Iron	mg/kg	Max 0.5
12	Copper	mg/kg	Max 0.2
13	Zinc	mg/kg	Max 0.2
14	Chromium	mg/kg	Max 0.4
15	Nickel	mg/kg	Max 0.5
16	Aluminium	mg/kg	Max 0.5
17	Magnesium	mg/kg	Max 0.5
18	Sodium	mg/kg	Max 0.5
19	Potassium	mg/kg	Max 0.5
20	Phosphate	mg/kg	Max 0.5
21	Ash	PPM	Max 100
22	pH	-	9.0 - 10.0



## INJECTION INTO EXHAUST

Diesel Exhaust Fluid (DEF) is injected into the hot exhaust stream of a BS6 diesel vehicle.



## CONVERSION TO AMMONIA

The heat breaks down DEF into ammonia (NH<sub>3</sub>) and carbon dioxide (CO<sub>2</sub>).



## SELECTIVE CATALYTIC REDUCTION

The ammonia reacts with Nitrogen Oxides (NO<sub>x</sub>) in the catalytic converter.



## EMISSION REDUCTION

This chemical reaction converts harmful NO<sub>x</sub> gases into harmless nitrogen (N<sub>2</sub>) and water vapor (H<sub>2</sub>O).



## CLEANER EXHAUST

The vehicle releases cleaner emissions, reducing air pollution and ensuring compliance with BS6 emission norms.



# High purity trusted **DIESEL EXHAUST FLUID**

AVAILABLE  
PACKAGING SIZES:

10L | 20L | 200L | 1000L IBC



## VEHICLES WHERE DEF FLUID NEEDED



CARS



TRUCKS



AGRI VEHICLES



BUS

### LOCATION

CHAKAN

### PRE-ORDER NOW

[WWW.TECHNOBLUE.COM](http://WWW.TECHNOBLUE.COM)

### GET IN TOUCH

**+123 456 7890**

MORE INFORMATION