



Shell Diesel Exhaust Fluid

Urea based Diesel Exhaust Fluid meeting ISO 22241

Shell Diesel Exhaust Fluid is an ultra pure Urea based solution meeting ISO 22241 for use in modern SCR (Selective Catalytic Reduction) exhaust systems in diesel powered engines.

Applications

Shell Diesel Exhaust Fluid can be used in all diesel powered engine systems requiring an Urea based fluid for the SCR exhaust.

SCR technology reduced emissions of the NOx gases that are produced inside the engine during combustion. This process requires the correct injection of Diesel Exhaust Fluid; a non-toxic, highly purified urea based solution. Diesel Exhaust Fluid is sprayed into the exhaust system, where it is subsequently hydrolysed before the catalytic converter breaks down NOx gases into harmless Nitrogen (N₂) and Oxygen (O₂).

SCR Technology is already proven to enable Heavy Duty diesoline powered engines to comply with strict mandatory EURO V legislation which came into effect in 2008.

Performance Features and Benefits

- The use of Shell Diesel Exhaust Fluid is the most efficient way to make use of SCR Technology and comply with EPA emission regulations
- Fully compliant with mandatory legislative requirements
- Suitable for light duty and heavy duty engine types
- Non harmful, non explosive, non toxic, non combustible

Product Use

You will not need to replenish your Diesel Exhaust Fluid tank every time you refuel. Diesel Exhaust Fluid consumption will be approximately 3% of your fuel consumption (for every 300L of fuel consumed, you will require 9L of Diesel Exhaust Fluid).

Only fill Diesel Exhaust Fluid into the marked Diesel Exhaust Fluid DEF tank on the vehicle.

Do not use Diesel Exhaust Fluid which is mixed with other fluids, either diesel, other fuels or water.

Specifications and Approvals

Fully meets ISO 22241

Health & Safety

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from your Recochem representative.

Avoid exposure to the skin, wash any affected areas thoroughly with water.

Protect the Environment

Take used products to an authorised collection point. Do not discharge into drains, soil or water.

Shelf Life

This product is to be stored undercover, in dry conditions at ambient temperature below 30°C, and away from direct sunlight and possible moisture ingress.

When stored under such conditions, with the cap and packaging remained sealed, then the shelf life of the product is 1 years. Once opened and unsealed, the product should be fully consumed as soon as possible.





Typical Physical and Chemical Characteristics

Diesel Exhaust Fluid	Units	Typical
Urea content	%m	32.5 +/- 0.7
Density (SG) at 20C	kg/m ³	1.087 – 1.093
Refractive Index 20C		1.3814 – 1.3843
Alkalinity (Ammonia)	%m	0.2 max
Biuret	%	0.3 max

These characteristics are typical of current production. Whilst future production will conform to Recochem's specification, variations in these characteristics may occur.

