

Diesel Exhaust Fluid (DEF)

Emission control solution for diesel powered vehicles

Product Description:

Leading North American diesel engine/vehicle manufacturers have adopted a Selective Catalytic Reduction (SCR) technology in recent years aimed to reduce the harmful diesel exhaust emissions. DEF is a non-hazardous aqueous urea standardized solution used in these SCR diesel engines that lowers the harmful diesel exhaust emissions (NOx) from diesel engines.

Product Features:

Physical & Chemical Properties	
Physical State	Liquid
Colour	Colourless
Odor	Ammoniacal (Slight)
pH	9.8 to 10 {Conc. (%w/w): 10%}
Boiling Point @ 760 mmHg	Decomposition temperature 100°C (212°F)
Freezing Point	-11.5°C (11.3°F)
Relative Density	1.09 g/cm ³ [20°C (68°F)]
Vapour Pressure	6.4 kPa (48 mm Hg) @ 40°C
Solubility in Water	>100 g/l

**The information contained herein is subject to change without notification.*

Applications:



Our Diesel Exhaust Fluid is to be used in conjunction with Selective Catalytic Reduction Technology. The correct volume of DEF is injected from a separate tank into the exhaust pipeline where the solution vaporizes and decomposes to form ammonia and carbon dioxide. Within the SCR catalyst the NOx emissions are catalytically reduced by the ammonia into water and nitrogen. These non-harmful gases are then released through the exhaust resulting in lower emissions.

Health & Safety:

Based on the current description as well as the available information, this product is not expected to produce adverse effects on health when used for its intended application in conjunction with the recommendations provided in the Material Safety Data Sheet (MSDS). Material Safety Data Sheets are available upon request through your sales contract office or at www.maritimefuels.ca

Environmental Safety:

Please recycle this product container and remaining fluid in appropriate facilities.