

# PRODUCT DATA SHEET



## AQUEOUS DIESEL FLUID (ADF)

### PAL ADF

PAL ADF is a premium aqueous diesel exhaust fluid which is carefully blended through aqueous urea solution of 32.5% high purity & 67.5% of deionized water.

Diesel engines can be run with lean burn air to fuel ratio so as to ensure the full combustion of soot & to prevent them from exhausting unburnt fuel. The excess of air leads to generation of Nitrogen Oxides (NO<sub>x</sub>) which are harmful pollutants from the nitrogen in the air. Selective catalytic reduction (SCR) is the leading technology being used to meet the 2010 emission regulations & is used to reduce the amount of NO<sub>x</sub> released in the atmosphere.

PAL ADF is injected into the exhaust pipeline where the aqueous urea vaporizes & decomposes to form ammonia & carbon dioxide. With the selective catalytic reduction (SCR) catalyst, the NO<sub>x</sub> are reduced by the ammonia & water & Nitrogen which are harmless and these are released through the exhaust. SCR technology as per reports suggests that NO<sub>x</sub> reductions upto 90% can be achieved.

The overall reduction of NO<sub>x</sub> by urea is



**PAL ADF** is quite effective in controlling the emission of Nitrogen Oxides from power plants, diesel powered trucks, trains, ship & heavy equipment. It is non-toxic, non-hazardous & formaldehyde free.

**PAL ADF** complies with AUS 32 & ISO 22241-1 specifications.

**PACKING:** 210L, 50L, 20L