



## Product Data Sheet

### **Diesel Exhaust Fluid (DEF) Consumable Emission Control Liquid for Diesel Engines**

#### **DESCRIPTION**

**Diesel Exhaust Fluid, commonly referred to as DEF (or AdBlue in Europe), is an aqueous (water based) solution comprised of 32.5% urea and 67.5% deionized water. DEF is consumed in use to control and lower NOx concentrations in the diesel exhaust emission of modern diesel engines.**

**In order to comply with new emissions standards effective in 2010, most new diesel trucks, pick-ups, SUV's and vans are not fitted with Selective Catalytic Reduction (SCR) technology and have a separate DEF tank that must be regularly refilled.**

**DEF is injected into the exhaust stream. It is never added to diesel fuel. DEF is a non-hazardous solution that is clear and colourless, and looks exactly like water. It has a slight smell of ammonia, similar to some home cleaning agents.**

#### **Application**

- **DEF is stored in a separate tank on board the vehicle, and injected into the exhaust stream by a metering system. The injection rate depends on the specific after-treatment system, but is typically 2-6% of diesel consumption volume.**
- **The low dosing rate for DEF ensures long fluid refill intervals and minimizes the tanks size (and subsequent obstruction into vehicle packaging space).**

#### **Note**

**DEF is an aqueous (water based) solution with a high level (32.5%) of dissolved solids. While DEF is non-toxic and safe to handle, it can corrode some metals and must be stored and transported carefully. Consult with your supplier for recommendations of equipment and materials that are suitable for DEF.**

#### **Availability**

**DEF is available in a variety of packages from 4L jugs to totes**