



## AdBlue Solutions

### **What is AdBlue? And how does it Work?**

AdBlue is a solution of urea in water used as a fluid in the latest generation of diesel-powered Euro 4 & Euro 5 Vehicles. AdBlue is stored in a separate tank on the vehicle. It is precisely metered into the hot exhaust manifold where the urea solution breaks-down into Ammonia and reacts with exhaust gasses in the presence of a catalytic converter. The oxides of nitrogen formed at combustion are converted into harmless elementary nitrogen and water. AdBlue is not a fuel additive. It is an exhaust treatment chemical.

### **How will AdBlue affect me?**

All trucks & buses registered after October 2006 must be EURO 4 or EURO 5 compliant and most will require AdBlue. It will not normally be possible to retrofit AdBlue equipment to existing vehicles so only new vehicles will be affected.

### **How much will I need?**

The consumption of AdBlue is 3-5% that of fuel consumption for a Euro 4 engine, and 5-7 % for a Euro 5 engine, depending on driving, load and road conditions.

### **Storing and using Adblue.**

Temperature is a very important factor in this, as well as sealed packaging and a dry and well-ventilated storage space. Because urea solution contains ammonia, it is corrosive to some metals, such as copper and its alloys. It is important that AdBlue is stored in containers that are specifically designed and manufactured from materials that are suitable for use with urea. The same applies to all storage ancillary equipment, such as valves, dispensing nozzles and pipe work.



### **So how can help your AdBlue needs?**

**AdBlue storage and distribution is a major problem, so why bother?** Aires now operate a purposely modified AdBlue distribution vehicle at Heathrow airport; we can/are supplying and refueling AdBlue at Stansted and Gatwick. Our Heathrow operation is performed at night so there is no disruption to our customer's daily operation. Aires is a fuel management services company and refueling is part of our business, so let us do our job while you concentrate on yours.