

GO-Blue™



An introduction to
GO-Blue™

The liquid solution
to reducing
diesel emissions

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GREATOCEAN
AUTOMOBILE SUPPLY
SDN BHD

GO-Blue™



At **GREATOCEAN AUTOMOBILE SUPPLY** we provide low-volume and bulk deliveries of **GO-Blue**, the chemical solution that makes diesel a more environmentally-friendly fuel option.



An example of an **GO-Blue** tank on a fuel tanker.

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ELIMINATE HARMFUL EMISSIONS FROM HEAVY VEHICLES

GREATOCEAN AUTOMOBILE SUPPLY is an official supplier of **GO-Blue**, a diesel exhaust fluid (DEF) that significantly reduces the output of mono-nitrogen oxide (NOx) from diesel engines.

From October 2006 all diesel-fuelled commercial vehicles over 7.5 tonnes, such as trucks, lorries, buses and industrial vehicles, were manufactured with Selective Catalytic Reduction technology (SCR).

Originally introduced as part of a series of EU directives designed to reduce exhaust emissions, SCR is a key factor in the government's commitment to reduce emissions by 2050.

How does it work?

GO-Blue is placed in a designated **GO-Blue** tank on the vehicle with its own gauge and sensor system. It's sprayed onto the exhaust fumes soon after combustion and works by catalysing the breakdown of NOx into nitrogen and water.

How much do I need?

As **GO-Blue** is an exhaust additive, it's used at a much slower rate than your fuel – around a rate of 5% **GO-Blue** to diesel fuel.

How much can I buy?

Our **GO-Blue** is available in 10-litre, 210-litre and 1,000 litre packs, so we're able to supply as much as you need for your usage.

How do I store it?

GO-Blue must be stored in a cool and well-ventilated container or tank. It must be kept out of direct sunlight, at an ideal temperature between -11°C and 30°C. Under these conditions **GO-Blue** can be stored for around 12 months before it begins to degrade.

Does AdBlue need any special handling?

GO-Blue requires special handling, especially in large quantities. Please speak to our advisers for advice on storage and dispensing equipment that aids safe handling.

GO-Blue™



THE FUEL EXPERTS

We believe excellent service before and after your order is paramount to our continued success. When combining this with our first-class local knowledge, competitive prices and efficient deliveries, we are confident we can provide a complete solution you can rely on.



GO-Blue Specifications: ISO 22241

AUS 32 Diesel Engine Fluid (**GO-Blue**) must meet ISO 22241 specifications in order to be used in Euro 6 diesel engines. Learn what these specifications are

Read the ISO 22241 Specifications for GO-Blue

Aqueous Urea Solution 32 Diesel Engine Fluid, more simply AUS 32 DEF, or better yet **GO-Blue** is manufactured to meet ISO 22241 standards in order to be compliant to be used in modern diesel engines.

ISO 22241 Specifications: Physical and chemical properties of GO-Blue

In order to be used in Euro 6 diesel engines, **GO-Blue** needs to meet the BS ISO 22241 specifications, which it does by having the required physical properties and chemical properties. The table below illustrates the properties **GO-Blue** needs to have.

Parameter	Minimum	Maximum	Unit
Appearance	Colourless Liquid with slight ammonia odour		
Freezing point	-11°C	-11°C	°C
Boiling point	100°C	100°C	°C
Basicity	9	10	pH
Flash point	not applicable (non-flammable)		
Water solubility	100		g/l
Viscosity at 20°C	1.4	1.4	mPa.s
Urea Content	31.8	33.2	%
Density at 20°C	1.087	1.093	g/cm ³
Refracting index at 20°C	1.3814	1.3843	
Alkalinity as NH ₃		0.2	%

Parameter	Minimum	Maximum	Unit
Biuret		0.3	%
Insolubles 20 mg/kg		20	mg/kg
Aldehyde 5 mg/kg		5	mg/kg
Phosphate (PO4)		0.5	mg/kg
Calcium		0.5	mg/kg
Iron		0.5	mg/kg
Aluminium		0.5	mg/kg
Magnesium		0.5	mg/kg
Sodium		0.5	mg/kg
Potassium		0.5	mg/kg
Copper		0.2	mg/kg
Zinc		0.2	mg/kg
Chromium		0.2	mg/kg
Nickel		0.2	mg/kg