

ENVIRONMENTALLY DRIVEN

EMISSIONS STANDARDS ... REQUIREMENTS

From 1 January 2009, all new and used trucks imported into New Zealand must meet Euro 4 Emission Standards. This can be achieved by the addition of SCR technology to the trucks, at approximately five percent the rate of diesel.

Then, from 1 January 2011 all new and used trucks coming into New Zealand must meet Euro 5 Emission Standards. For bigger trucks to meet this standard they will have to use SCR technology.

SCR technology is becoming the preferred emissions reduction technology for many of the large truck manufacturers. Reducing exhaust emissions is a key measure for improving our air quality, protecting our environment and ultimately our health.

GoClear is proudly made in New Zealand, negating the additional freight component and associated environmental footprint that comes with imported products.

GoClear - THE ONLY 100% NEW ZEALAND MADE SCR ADDITIVE

GoClear is manufactured by Ballance, New Zealand's largest fertiliser co-operative.
For further information on GoClear, please visit www.goclear.co.nz or phone Ballance on 0800 222 090.

www.goclear.co.nz

This brochure is printed on paper made from a sustainable resource.



GoClear is a registered trademark.



THE SMART WAY TO DRIVE



PURITY STANDARD ASSURED

GoClear ... EXPLAINED

Over the last decade there has been a growing global trend to reduce nitrogen oxide (NOx) emissions from heavy diesel vehicles, largely lead by the European Union (EU). New Zealand too will see more stringent emission regulations being introduced by the government.

The EU's minimum standards of acceptable emission levels have been steadily lowered. To meet these standards, engine manufacturers have had to introduce new technology to reduce vehicle emissions, in the form of Selective Catalytic Reduction (SCR) or Exhaust Gas Recirculation (ERG).

Major engine manufactures have chosen the SCR technology, an exhaust system additive that reduces NOx emissions from diesel engines, breaking the NOx down into harmless components of water vapour and nitrogen gas.

In such a process, purity and quality are paramount. To avoid any contamination, the water used to manufacture GoClear is ultra pure, as is the high grade of urea.

With Ballance, the quality of GoClear is guaranteed. There are no third party suppliers involved, thereby reducing the risk of contamination and quality control variances.



GoClear
COMPLIES
WITH ISO22241
TO ENSURE
YOUR VEHICLE
PERFORMS AT
ITS BEST

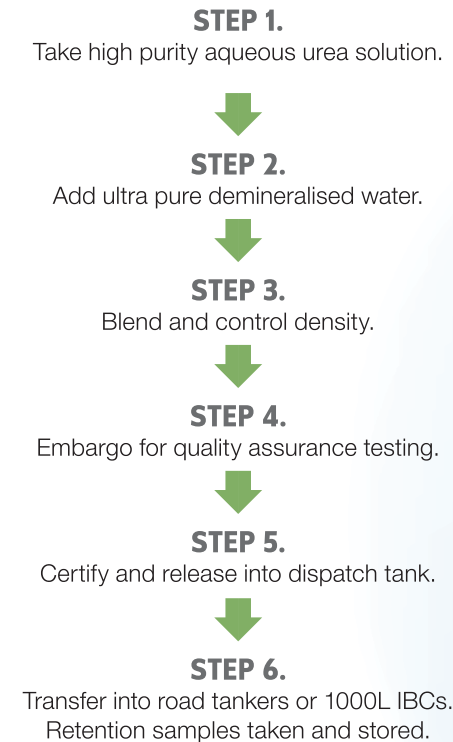
THE ONLY SCR SOLUTION THAT IS 100% NEW ZEALAND MADE



GoClear ... THE MAKING OF

GoClear is made by Ballance in Taranaki, at New Zealand's only ammonia-urea manufacturing plant.

The product is made by taking aqueous urea solution upstream from the granulator and mixing this with ultra pure demineralised water, thereby achieving a 32.5% urea solution. Stringent quality testing is then undertaken for purity analysis of each batch. Once approved, each batch of GoClear is coded for distribution to ensure full traceability.



GoClear CAN BE
STORED FOR UP TO
ONE YEAR FROM
MANUFACTURE,
WHEN STORED IN A
SEALED CONTAINER
AWAY FROM DIRECT
SUNLIGHT, FREEZING
TEMPERATURES OR IN A
WELL VENTILATED ROOM.