



## Product Data

### NEOASTRA F

#### Fluorescent Magnetic Ink

**NeoAstra F** is a general purpose Fluorescent Magnetic Ink for use in the Magnetic Particle Inspection Process. The product has a high flash point with good particle mobility. **NeoAstra F** uses the highest grade of fluorescent particles, selected for their response to very low magnetic field strengths and also low coercivity. This makes the Ink responsive whilst avoiding coagulation. The carrier is a highly refined and de-aromatised hydrocarbon.

#### Typical Properties

<b>Form</b>	Brown Mobile Liquid when agitated
<b>Density</b>	0.8 at 15°C
<b>Flash Point</b>	> 100 °C
<b>Solid Content</b>	0.25 % Typical by volume after 1 hour
<b>Viscosity</b>	< 3cst at 40°C

#### Method of Use

Aerosol application or bulk can also be supplied for use in Bench Unit Ink Hoppers etc

**NeoAstra F** is flooded over the surface to be inspected whilst the area is magnetised in a particular orientation (The greatest build up occurring when surface defects are at 90° to the magnetic field applied) The magnetic field must be held on until ink application has finished avoiding washing off the indications.

Defects will show up as well defined yellow / green indications when inspected under 365nm nominal peak UV Light at an intensity greater than 1000 microwatts per cm<sup>2</sup> at the surface. White light levels should be less than 20lux

Prior to application, Aerosols and bulk 5 litre containers must be shaken vigorously to disperse the Particles.

#### NeoAstra F

The MPI System provides a high level of integrity when used on welded fabrications, pressure vessels, structures, pipes, castings, forgings and many other ferromagnetic components. It has many Aerospace approvals, re-particles and carrier fluid.

#### Specification Compliance

**NeoAstra F Complies with BS EN ISO 9934-2:2002, Mil, RPS and many other Industrial standards**  
Pack size Aerosol 5L and 25 Litre

**COSHH** – Please read the relevant COSHH for this product.

#### Alternative Products (Fluorescent Magnetic Inks)–

**NeoAstra DG** Ultra Bright Day-Glo Fluorescent Magnetic Ink  
NeoCol range of Black Magnetic Inks

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