



FerroChem NDT Systems Pvt. Ltd.

## FerroChem Luminous Supreme

Oil Based (Ready to Use) Fluorescent Yellow Bath, 131A/2

420 ml in Aerosol Can

For

Crack Detection by Magnetic Particle Inspection Method

Code No.: 131A/2

Fluorescent yellow powder in "Ready to use suspension form", in oil, for Inspection under UVA light.

For crack detection by Magnetic Particle Inspection Method.

### Technical Details:

- Colour in daylight: Yellowish-brown.
- Colour under UVA Light: Brilliant yellow-green.
- Aerosol Can Volume: 500 ml
- Net Content : 420 ml (Product + Propellant)
- Weight : 415 gm ( approximate) per can
- Standard Packing : 24 Aerosol Cans in corrugated Box

### Features :

- Chemical Nature: Non hazardous, Non-Toxic, Non-Corrosive Liquid.
- **Shelf Life:** The product will be suitable for its designated use till **two (2) years** from the date of manufacture, if stored well, and in packed condition as supplied
- Sensitivity on Keto's Tool Steel Ring, as per ASTM E 1444 Table No.XI.2, for 1400Amp HWDC: Number of holes indicated is 6. ( Required : 3 Holes Minimum)

### Compliance Standard:

- **ASTM E-709** : Standard Guide For Magnetic Particle Testing!
- **ASTM E-1444** : Standard Practice For Magnetic Particle Testing!

### Desirable Recommendations :

- Ensure that the testing premises are well ventilated.
- Component surface should be pre-cleaned and free from oil / grease etc. at the time of use.
- The Inspection should be carried out in dark conditions (white light inside the dark area should be less than 20 Lux strength) with help of UVA Light of minimum intensity 1000 micro watt / sq. cm. at 15 inches from source.

### For Storage:

- Store in Dry, Cool, Shaded Area and at temperature less than 50°C.
- Always store can vertically.

### Safety :

- Please note that propellant used is a flammable gas is highly evaporating and flammable. Necessary precautions, such as keeping the surrounding atmosphere free of flame or sparks is essential.

### Supplementary Products:

- **Magnetic Field Indicator M.F.I:** Used To determine presence and approximate direction of external magnetic field
- **Residual Field Indicator R.F.I. :** Used for measurement of Residual Field after demagnetization.
- **UVA Light Assembly :** Used for inspection in NDT techniques such as MT and PT.
- **Copper Mesh Pads :** Used to established a firm contact.
- **Centrifuge Tube:** Used to measure settling volume, bath concentration in MPI testing.

For more technical information or detailed procedure about how the product should be used, please contact FerroChem.

Website [www.ferrochemndt.com](http://www.ferrochemndt.com) or  
Email Id [info@ferrochem.net](mailto:info@ferrochem.net) kind attention : Q.C. Department

