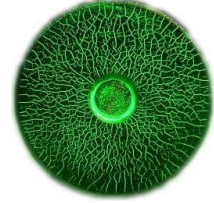


Product **FLUXO 6** Reference **TDS204A** Date **01/02/2010** Page **1/1****FLUXO 6 - AEROSOL**Fluorescent magnetic particles in petroleum carrier fluid  
For Magnetic Particle Inspection

**Inspection** : The part is subjected to an intense magnetic flux, which is deviated by the presence of a defect. This escape attracts the particles of the product and the defects now are clearly visible as fluorescent lines.

Components are magnetised and **FLUXO 6** is applied to the test area, normally by spraying immediately prior to and during magnetisation. Application of **FLUXO 6** should cease before the magnetisation is switched off. Defects will show up as well defined fluorescent indications and inspection should take place in good UV Light of at least 1500  $\mu\text{W}/\text{cm}^2$ .

**Use** : This Magnetic particle examination is used for the detection of emerging defects in all ferromagnetic materials. Applicability: Aeronautics, Automobile, Railway, etc...

**Composition** : **FLUXO 6**: Fluorescent magnetic powder and high flash point petroleum.

**Specifications** :

- **AMS 2641** Type 2 « *Vehicle, Magnetic Particle Inspection, Petroleum Base* »
- **NF EN ISO 9934-2**
- **AMS 3044E** « *Magnetic Particles, Fluorescent, Dry powder* »
- **AMS 3045D** « *Magnetic Particles, fluorescent, Wet method, oil vehicle* »
- **ASTM E1444-01**- Section 5.8
- **ASME BOILER AND PRESSURE VESSEL CODE**, SECTION V, 2004 Ed
- **Code RCC-M** Edition 2000 - Tome III - § *MC 5135 "Liqueurs magnétiques"*
- **Low in Sulphur & Halogens (Nuclear Quality)**
- **ASTM SE-709**

**Characteristics** : **FLUXO 6** is in conformity with the international standard **ISO 9934-2** concerning magnetic particle inspection products, in particular on the following points:

- ✓ Performance: 70mm in reference block type 2
- ✓ Aspect & colour: red suspension
- ✓ Flash Point : > 80°C
- ✓ Particles size:  $D_{50\%}$  between 3 and 7  $\mu\text{m}$   $D_{10\%}>1,5 \mu\text{m} - D_{90\%}<40 \mu\text{m}$
- ✓ Fluorescence coefficient:  $\beta \approx 2,5 \text{ cd.W}^{-1}$
- ✓ Corrosion test: level 0 (according standard ISO 9934-2)
- ✓ Density : 815  $\text{g.cm}^{-3}$  (15°C)
- ✓ Settlement rate (1 hour) : min 0,1 ml/100 ml

: In order to test the evolution of the performances of detection of the **FLUXO 6** in time, you can proceed with the reference block type 2, according to the method described in the standard **ISO 9934-2** (standard part reference 2).

The length of signature has to be compared with the value measured on the new product; it should not be lower than 25 mm for the two right and left sides.

**Packaging** : AEROSOL 500ML

**SREM Technologies can make any modifications**