

PFINDER 115

MAGNETIC PARTICLE CONCENTRATE

FLUORESCENT suspendible in water

PFINDER KG

Rudolf-Diesel-Strasse 14 71032 Böblingen/Germany + 49 (0) 7031-2701-999 ndt@pfinder.de www.pfinder-ndt.com

Version 2 / 28.02.2017

DESCRIPTION

PFINDER 115 is a water-suspendible concentrate of fluorescent magnetic particles with special additives for magnetic particle testing. PFINDER 115 indicates surface defects of magnetizable materials under UV-light (365nm).

The concentrate PFINDER 115 has to be stirred in water. An even dispersion of the particles will be obtained very quickly.

PFINDER 115 provides an extra-high content of powder.

APPLICATION

The ideal use concentration may vary according to magnetisation strength, surface conditions, after-magnetisation terms and flushing time. Therefore following values should only be understood

1 kg PFINDER 115 for 40 L to 100 L water (2,5% to 1,0%).

The capability of the magnetic particle suspension should be checked regularly by means of own reference pieces or e.g. reference block 1 according EN ISO 9934-3.

Process description according EN ISO 9934-1 see www.pfinder-ndt.com.





YOUR GREEN NDT BENEFITS

- No hazard classification/labeling acc. to EC regulation
- Odourless
- Free of sec. amines, nitrites and halogens



YOUR HANDLING + COST SAVING BENEFITS

- Excellent sharp, quick and stable indications with low background fluorescence
- With effective corrosion protection
- Optimized foaming and wetting properties
- Compatible with non-ferrous materials

PACKAGES IN STOCK / STORAGE CONDITIONS

1-L-bottle, 5-L-canister.

These packages are on stock and instantly available. Other packages on demand.

Storage between +5°C and +45°C. Shake well or stirr before use!

APPROVALS & CONFORMITIES

The product conforms to the following specifications / is suitable for use according to:

EN ISO 9934-2, ASME V Art.7, **ASTM E 1444, ASTM E 709,** AS 4792, AMS 3044, RCC-M.

Low content of sulfur and halogens according to EN ISO 9934-2.

Please respect the relevant rules and specifications for your application.

SHELF-LIFE

2 years

TECHNICAL PROPERTIES

Density/15°C **DIN EN ISO 12185** 1140 ± 15 kg/m³ pH value* ISO 4316 $8,75 \pm 0,25$ Particle size dm Pfinder 080.900Q01 approx. 3um Fluorescent coefficent **DIN EN ISO 9934-2** approx. 2 cd/W

Particle concentration*

* refers to a suspension of 2%.

AMS 3044

approx. 0,25 mL / 100 mL

The information contained herin is correct to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee or representation as to results. We suggest to evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence, or otherwise is limited to the purchase price of the material.