



# Magnetic Particle Inspection

Product information

MR<sup>®</sup> 158-R K Magnet powder concentrate

**MR**<sup>®</sup>  
CHEMIE  
NDT-materials

TO SEE MORE!

## MR<sup>®</sup> 158-R K Magnetic powder concentrate

yellow-green fluorescent, 1:40, water suspendable

**contains a high proportion of corrosion inhibitor**

for Magnetic Particle Inspection acc. to EN ISO 9934-1

### General appearance and composition:

- Water suspendable concentrate with fluorescent ferromagnetic particles
- Contains a high proportion of corrosion inhibitor and is especially recommended for testing parts being susceptible to corrosion
- Free of nitrite, halogen and silicone
- Medium particle size  $d_a = 1-3 \mu\text{m}$
- Sediment 0,2-0,3 ml (0,5 h)
- Yellow-green fluorescent under UV-radiation
- Processing temperature +10 to +50 °C
- No declaration of hazardous ingredients – ECO-LINE

### Relevant Specifications

- Type testing in accordance to DIN EN ISO 9934 part 2
- Examination of corrosive ingredients according ASME Code V, Section V, Article 7
- In correspondence with Lloyd's Reg., Bureau Veritas, Det Norske Veritas, admitted by Framatome ANP

### Application:

- Remove tinder, rust and other contaminations from surface in a suitable manner
- Shake concentrate well
- Dilute 1:40 in water
- During magnetization (e.g. with a MR<sup>®</sup> Hand yoke) spray the preparation on the surface
- If using a test bench, fill the preparation into the container with the pump
- Under UV-radiation discontinuities will appear as yellow-green fluorescent magnetic particle indications

### Minimum shelf life:

- Will keep for a minimum of 2 years, stored at room temperature

### Pack sizes:

- 1 kg, 5 kg