



# Penetrant Testing

Product information

MR<sup>®</sup> 68 NF Penetrant red and fluorescent



## MR<sup>®</sup> 68 NF Penetrant red and fluorescent

for penetrant testing according to EN ISO 3452-1:2013

### General appearance and composition:

- Water and solvent removable penetrant red and fluorescent, type III acc. to EN ISO 3452-1:2013
- Free of mineral oil, based on glycols
- Suitable for all metals (suitability for plastics and ceramics needs testing prior to use)
- Without AZO-dye-stuff
- Testing security is guaranteed at work piece temperatures:  
System IIIAc, IIIAe, IIIEe: between +10 °C and +50 °C  
System IIICe: between -10 °C and +50°C
- Very good biodegradability of 99 % according to EN ISO 9888 (see special information sheet „Biodegradability of MR<sup>®</sup> 68 NF“)
- Aerosol overhead sprayable

### Relevant approvals and specifications

- Sample testing acc. to EN ISO 3452-2:2006
- Sensitivity class 2 acc. to EN ISO 3452-2:2006
- System IIIAc
  - Remover: Water
  - Developer: MR<sup>®</sup> 703 W
- System IIAe
  - Remover: Water
  - Developer: MR<sup>®</sup> 70
- System IIICe
  - Remover: MR<sup>®</sup> 79, MR<sup>®</sup> 85, MR<sup>®</sup> 88
  - Developer: MR<sup>®</sup> 70
- System IIIEe
  - Remover: Water, MR<sup>®</sup> 79
  - Developer: MR<sup>®</sup> 70
- Low content of halogens and sulphur according to DIN EN ISO 3452-2:2006 and ASME Code V, Section V, Article 6, T-641
- In correspondence with Lloyd's Reg., Bureau Veritas, Det Norske Veritas, admitted by Framatome ANP
- Produits et Matériaux Utilisables en Centrales (PMUC)
- TLV 9017 01:2011-01

### Application:

- Remove tinder, rust and other contaminations from surface in a suitable manner. A possible precleaner for removal of oils or fats is e.g. our remover MR<sup>®</sup> 79.
- Apply MR<sup>®</sup> 68 NF Penetrant red and fluorescent to the part to be tested either by spraying, brushing, flooding or dipping. Allow to penetrate for at least 5 minutes.
- Remove excess penetrant from surface either using water or a clean lint-free cloth lightly moistened with an MR<sup>®</sup> Remover.



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- Spray MR<sup>®</sup> Developer (e.g. MR<sup>®</sup> 70) from a distance of approx. 20 cm on the dry surface, achieving a thin, uniform layer. Surface defects will appear as red indications on a white background or fluorescent under UV-light. Please note: If the developer layer is too thick tiny discontinuities will not appear through the developer.

### **Minimum shelf life:**

- Will keep for a minimum of 4 years, stored at room temperature

### **Pack sizes:**

- Aerosols, 500 ml (1 box contains 12 aerosols)
- 5 L, 30 L, 200 L