



Magnetic Particle Inspection

Product information

MR[®] 76 SH Magnetic powder suspension



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System "Hot", black, ready for use, oil based
for Magnetic Particle Inspection acc. to EN ISO 9934

General appearance and composition:

- Cycloaliphatic hydrocarbon (free of fluorescence) with iron oxide pigments
- MR[®] 76 SH Magnetic powder suspension black, System "Hot" serves to indicate cracks when performing non fluorescent magnetic particle inspection, highly sensitive test medium for temperature ranges from **50-130 °C**
- Flash point medium: > 290 °C
- Boiling point medium: > 450 °C
- Medium particle size $d_a = 2,5 - 5 \mu\text{m}$
- Sediment 0,6 – 1,0 ml/100 ml (1 h)
- In bulks no declaration of hazardous ingredients
- Low odour
- Aerosol over head sprayable

MR[®] 72 White contrast paint may serve as background paint for MR[®] 76 SH if the temperature is no higher than 130 °C. A contrast paint for higher temperatures is not available at present.

Application:

- Remove tinder, rust and other contaminations from surface in a suitable manner
- Spray a thin film MR[®] White contrast paint (layer thickness max. 40 μm) on the surface
- Apply MR[®] 76 SH on the surface during magnetization (with a MR[®] Hand yoke)
- Discontinuities will appear as black magnetic particle indications on the white surface
- After documentation and cooling off to room temperature the test surface it can be cleaned with MR[®] 71 Paint Remover

Safety precautions:

- On use in higher temperature ranges, the risks associated with this should be adequately considered. Burns to the skin, flammability and vapour build up of substances may mean corresponding dangers. The work area must always be suitably ventilated and personnel exposure carefully assessed.

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)
- 1 L, 5 L