

# UNIFLUX MPS-F

## MAGNETIC PARTICLE SUSPENSION

### FLUORESCENT

#### Oil-based | Ready to use



Ihr Partner bei der  
zerstörungsfreien Werkstoffprüfung

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#### DESCRIPTION

Uniflux MPS-F is a ready-to-use fluorescent suspension  
Magnetic particle particles in low-viscosity test oil with special additives for the  
Magnetic particle testing. With Uniflux MPS-F, magnetized parts can be used under  
UV radiation (365 nm) for cracks and defects .

#### APPLICATION

During magnetization of the Uniflux MPS-F test surface undiluted  
Spraying. The displays are immediately recognizable under UV radiation (365 nm).

Application temperature  
Aerosol cans: 0°C – 50°C  
Container: up to 50°C

Data related to workpiece temperature. Aerosol cans must not be heated above + 50 °C.

The displayability of the test equipment suspension should be determined by  
reference parts or  
e.g. Reference body 1 must be checked regularly in accordance with EN ISO 9934-3.

Process description according to EN ISO 9934-1.



#### GREEN NDT BENEFITS



- Aerosol can with optimized CO2 balance
- Free from sec. Amines as well as nitrite and halogen free
- Odourless

#### APPLICATION ADVANTAGES + SAVINGS POTENTIAL



- High-contrast, fast and stable displays
- Low background fluorescence
- Non-ferrous metal compatible

#### CLEARANCE & COMPLIANCE

The product complies with specifications / is suitable for use in accordance with:

EN ISO 9934-2 | ASME V Art. 7 | ASTM E 1444 |  
ASTM E 709 | AMS 2641 | AMS 3044 | AMS  
3045 | AMS 3046

Low sulphur and halogen content according  
to EN ISO 3452-2.

#### WREATH

500 ml aerosol can  
5 L canister

Other containers on request.

The spray properties of aerosol cans can change over the shelf life.

#### SHELF LIFE & STORAGE

3 years  
Storage from + 5°C to + 45°C.  
Shake or stir well before use

PRODUCT	REGULATION	UNIT	VALUE
Density/20 °C	EN ISO 12185	kg/m <sup>3</sup>	approx. 760
Viscosity/20°C	ASTM D 445	mm <sup>2</sup> /s	approx. 2.5
Flash point	ASTM D 93	°C	> 61
Particle size d50	080.900Q01	µm	3 - 6
Fluorescence coefficient	EN ISO 9934-2	cd/W	approx. 3.8
Settling volume	AMS 3045	ml/100ml	approx. 0.3

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\* Values of aerosol cans filled goods may vary