

UNIFLUX 851

MAGNETIC PARTICLE CONCENTRATE

FLUORESCENT

Suspendable in water



Ihr Partner bei der
zerstörungsfreien Werkstoffprüfung

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DESCRIPTION

Uniflux 851 is a water-suspendable concentrate of fluorescent magnetic particle particles with special additives for magnetic particle testing. Uniflux 851 can be used to inspect magnetized parts for cracks and defects under UV radiation (365 nm). The Uniflux 851 magnetic particle concentrate is suspended in water. A homogeneous distribution is achieved after a very short time by revolution. Uniflux 851 has a particularly high powder content.

APPLICATION

The optimal application concentration can vary depending on the magnetization strength, surface finish, post-magnetization and rinsing times. The following information is therefore only to be understood as a guideline:

1 kg Uniflux 851 to 40 l to 100 l water (2.5 % to 1.0 %).
The displayability of the test equipment suspension should be regularly checked by reference parts or, for example, reference body 1 in accordance with EN ISO 9934-3.

Process description according to EN ISO 9934-1



GREEN NDT BENEFITS



- Odourless
- Free from sec. Amines as well as nitrite and halogen free

APPLICATION ADVANTAGES + SAVINGS POTENTIAL



- Brilliant, fast and stable displays
- Low background fluorescence
- With high-performance corrosion protection

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 | AS 4792 | AMS 3044

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

WREATH

1L bottle or 5L canister

Other containers on request.

SHELF LIFE & STORAGE

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

PRODUCT	REGULATION	UNIT	VALUE
Density/15 °C	DIN EN ISO 12185	kg/m ³	ca. 1140
pH*	ISO 4316		approx. 8.0
Sensitivity (Ketos Ring)	ASTM E 1444	Indicate	7 - 8
Particle size d50	080.900Q01	µm	3 - 6
Fluorescence coefficient	DIN EN ISO 9934-2	cd/W	approx. 1.7
Settling volume*	AMS 3044	ml/100 ml	approx. 0.25

* based on an application concentration of 2.0%.

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