

## Fluorescent Fluid

### For Magnetic Particle Inspection

#### DESCRIPTION

ZChek-FB is a Fluorescent fluid packaged in the aerosol can. The product is designed to be ultra-highly sensitive particle which is used to detect very fine discontinuities in any ferromagnetic materials generally used in aerospace/aviation, forgings, steel bars, billets, automobile components, machined and heat-treated components or other engineering applications using wet method fluorescent magnetic particle inspection.

#### CONFORMANCE / APPROVALS

- ASME B & PV Code, Sec V
- EN ISO 9934-2
- ASTM E1444 / E1444 M
- ASTM E709
- AMS 3044
- AMS 3046

#### FEATURES/BENEFITS

- Ready to use – Ease of Operation
- High Sensitivity – High Operation
- Yellow Green Fluorescent - Excellent Visibility
- Non-Toxic – Environmentally Acceptable
- Low On odor – User Friendly
- High Flash Point – Safe in Open Areas



#### APPLICATIONS

ZChek-FB is designed to detect medium to fine surface and slightly subsurface discontinuities like inclusions, seams, shrink cracks, tears, laps, flakes, welding defects, grinding cracks, quenching cracks, and fatigue cracks.

#### TYPICAL PROPERTIES

<b>Color under white light</b>	Liquid with fine particles
<b>Color under black light</b>	Yellow Green fluorescence
<b>Mean particle size</b>	6 microns
<b>Particle size range</b>	1-16 microns
<b>Sensitivity</b>	8-9 (Ketos ring)
<b>Max. Operating Temperature</b>	49 ° C Maximum
<b>Settling Volume</b>	0.1 – 0.4 ml

## DIRECTIONS FOR USE

- Shake well till rattling sound is heard.
- Spray directly on the part surface while the magnetizing force is on.
- Stop spraying just before stopping the magnetizing force.
- Inspect under UV lamp of minimum 1000 micro watts per cm. sq intensity.

## PACK SIZES

- Aerosol Can of 520 ML 12 cans in one carton Box – Part #224301

## HEALTH & SAFETY

Information on Health & Safety is made available through material safety data sheets and the same can be reviewed through the company's website [www.zchem.in](http://www.zchem.in).

## STORAGE & SHELF LIFE

Aerosol Cans have a Shelf Life of 3 Years, if unopened and stored as per ZChem recommendations.

### Registered Office and Factory

## ZChem Specialities Pvt. Ltd.

Sy, No. 11/2/6, Puradapalya Village, Tavarkere Hobli, Bangalore – 562130, India

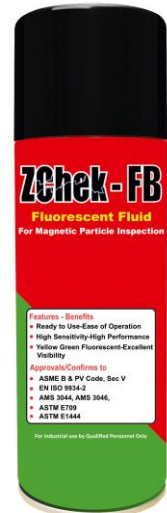
Phone +917349177755 & +917349277755 Email – [info@zchem.in](mailto:info@zchem.in), Website – [www.zchem.in](http://www.zchem.in)

### Branch Office:

## ZChem Specialities BFC

BLB-55-384, Ajman Media City, Ajman, UAE

Email – [info@zchem.in](mailto:info@zchem.in), Website – [www.zchem.in](http://www.zchem.in)



Disclaimer: We have taken best care to ensure that the information provided in this data sheet is accurate. Our product is guaranteed to conform to the specifications provided. We make no other warranty; hence the liability is limited to replacement of product only.