

Hydrophilic Emulsifier for Fluorescent Penetrant Inspection

Type 1 Method D

DESCRIPTION

ZChek-EF9 is a hydrophilic Emulsifier liquid concentrate, which can be diluted in water during usage with ZChek Post Emulsifiable Penetrants (Method D).

EF9 is used to remove / emulsify the Post Emulsifiable Penetrants appropriately which minimizes the surface background and protects indication's integrity in critical components inspection.

CONFORMANCE / APPROVALS

- AMS 2644
- ASME B & PV Code, Sec V
- ASTM E165
- AMS 2647
- ASTM E1417
- ISO 3452-2

FEATURES / BENEFITS

- Optimum Emulsification - Helps in easy removal of excess penetrant.
- Low to near zero background for assured indications visibility.
- Large concentration range - effective in low concentration.
- Biodegradable - User friendly



APPLICATIONS

ZChek-EF9 can be used effectively by dip method (15-20%) as well as spray or foaming method (2-5%) concentration for Aerospace/Aviation application, can be also used for Welding Defects, Fabrication-Pressure Vessels, Castings, Forgings, Railways, Power plants, Oil & Gas, Maintenance etc.

TYPICAL PROPERTIES

Appearance	Pinkish red liquid
Flashpoint	> 100°C
Density	0.98 g/ cc
Viscosity @ 40°C	28 cSt
Sulfur Content	< 1000 ppm
Chlorine Content	< 1000 ppm
Fluoride Content	< 50 ppm
Sodium Content	< 100 ppm

DIRECTIONS FOR USE

EF9 is diluted with water before use. Generally, the dilution rate is specified by the controlling process specification and normally falls within the range 5-20%.

PACK SIZES

- 20-liter Can - Part #223104
- 5 -gallon Pail - Part #223103
- 205-liter drum - Part #223106
- 55- gallon Barrel - Part #223105

HEALTH & SAFETY

Information on Health & Safety is made available through Material Safety data sheets & the same can be reviewed through the company's website www.zchem.in.

STORAGE & SHELF LIFE

Bulk packing has a shelf life of 5 years, if unopened & stored as per ZChem recommendations.

Registered Office and Factory

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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.