

Hydrophilic Emulsifier for Fluorescent Penetrant Inspection Type 1 Method D

ZChék-EF9 is a hydrophilic Emulsifier liquid concentrate, which can be diluted in water during usage with ZChék 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.

ZChék-EF9 is listed on the QPL SAE AMS 2644.

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

ZChék-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.

CONFORMANCE / APPROVALS

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

TYPICAL PROPERTIES

	Appearance	Pinkish red liquid
	Flash point	> 100 °C / 212 °F
	Density	0.98 g / cc
	Viscosity @ 40 °C	28 cSt
	Sulphur 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%. Use 5% concentration for foaming application. Use 20% concentration for immersion (tank) application

Usage Temperature: 42 to 120 °F / +6 to +48 °C

Storage Temperature: 50 to 120 °F / +10 to +48 °C

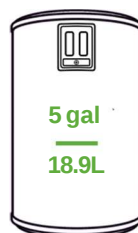
HEALTH & SAFETY

Information on Health & Safety is made available through material safety data sheets and the same can be reviewed through the company's website.

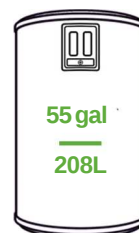
STORAGE & SHELF LIFE

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

PACK SIZES



Part #223103



Part #223105