

## ZYGLO<sup>®</sup> ZE-4E PENETRANT EMULSIFIER

### CLASSIFICATION

- Method B Lipophilic Emulsifier

### GENERAL DESCRIPTION

Zygro<sup>®</sup> ZE-4E is used for the emulsification of Zygro<sup>®</sup> PE penetrants. It is a lipophilic emulsifier with a moderate rate of action that can be used in open tanks due to its low volatility and high flash point.

### COMPOSITION

Zygro<sup>®</sup> ZE-4E is composed of petroleum oils and emulsifying agents.

### TYPICAL PROPERTIES (Not a specification)

Typical Properties	ZE-4E
Color	Pinkish Red
Flash Point	>250°F (120°C) PMCC
Corrosion	Non-Corrosive
Density	7.7 lbs/gal (922g/L)
Viscosity @ 100°F	22 cs
Sulfur	<1000 ppm
Chlorine	<1000 ppm
VOC	221 g/L
NPE-Free	Yes

### METHOD OF APPLICATION

Zygro<sup>®</sup> ZE-4E can be applied by dipping, pouring or spraying, with dipping being the recommended method. The penetrant covered part is completely covered with emulsifier and allowed to drain for a predetermined length of time, then washed with water to remove the penetrant/emulsifier mixture. The dwell time will vary depending upon the penetrant used, part surface texture, specification requirements and the desired results.

**SPECIFICATION COMPLIANCE:** AMS 2644, Garrett EMS 52039, MIL-STD-271, Boeing BAC 5423 PSD 6-46 or 8-4, MIL-STD-2132, ASTM E 165, ASME B & PV Code, Sec. V, ASTM E 1417, McDonnell Douglas P.S. 21202, AECL.

**PACKAGING**

5 Gal. Pail, 20 and 55 Gal. Drums

**COVERAGE**

(1) Gal. covers approximately 1,000 square feet.