

## FLURO-CHEK WP170 LS-BD

### WATER WASHABLE FLUORESCENT PENETRANT (CS NO. 1698)

#### **Description**

Fluro-Chek WP170LSBD Water Washable Fluorescent Penetrant is a high sensitivity biodegradable water washable fluorescent penetrant for locating flaws, cracks and leaks.

#### **Applicable specifications**

Fluro-Chek WP170LSBD Water Washable Fluorescent Penetrant meets the requirements of Mil-I-25135E; Mil-STD 6866; Type I, Methods A and C, Level 3; ASME B&PV Code, Sec. V; ASTM E-165, and others.

#### **Features**

Fluro-Chek WP170LSBD Water Washable Fluorescent Penetrant offers these features:

Water washable, and biodegradable. \*

Exceptionally good penetrant removability.

Low residual fluorescence background on rough parts.

Can be removed with either water, or solvent removers.

Low fire hazard.

Non-corrosive to ferrous and non ferrous alloys.

Where local regulations allow some oil to be present in the plant effluent, the penetrant rinsing, combined with other waste streams from within the plant, may happen to yield a total effluent level that is outside the acceptable range.

One approach to lower the oil content is to use biodegradable types of penetrant test materials. Rinsing from Fluro-Chek WP170LSBD penetrant consist of the same sort of fine emulsion as oil based penetrants, but within a few days, in the presence of ample oxygen, and micro organisms they are almost completely decomposed.

## Use instructions

There are 5 levels of sensitivity for water washable fluorescent penetrants. The higher levels can find smaller flaws but leave a higher interfering background, especially on rougher surfaces. When choosing a penetrant the roughness of the test surface must be taken into account. For more information on how to use this product read Mil-STD 6866, and applicable Turco process guide.

**Pre-clean:** Remove paint, scale and rust. Using a cleaner/remover all grease and dirt. Consult your Turco representative for cleaning recommendations. Area to be inspected must be thoroughly clean and dry.

**Application:** Apply penetrant by dipping, spraying or brushing so that area to be inspected is wet with penetrant. Allow 5 to 10 minutes drain/dwell time at about 60° to 90° angle.

**Removal:** Wash for 30 seconds to 90 seconds (depending upon surface roughness) with water pressure at 1,03 - 2,76 bar / 21°C.

**NOTE:** To remove penetrant by Method C, hand wipe excess using Dy-Chek Remover #3, or Dy-Chek Pre-Chek Remover. Develop indications with Fluro-Chek NAD Developer.

**Dry:** Dry the washed part at approximately 66°C (150°F) for 90 seconds or until dry.

**Developer:** Apply developer. Allow developer to dwell for 5 to 30 minutes.

**Inspect:** Examine under black light with as little ambient visible light as possible for fluorescent indications.

## Typical properties

Appearance: Yellow-green liquid, fluoresces yellow under black light

Flash point: Over 110°C (230°F)

Viscosity: 11,5 - 14,1 CST @ 37,7°C

Sulfur: 0,001%

Sodium: 0,001%

Chloride: 0,011%

Fluoride: 0,001%

Water tolerance: 22,5%

## Disposal information

Dispose of spent solutions per local, state and regional regulations. Refer to your Turco Material Safety Data Sheet for additional disposal information.

## **Safety**

Only qualified personnel intend this product for industrial use. Users should read the Material Safety Data Sheet before using. Do not smoke or eat while using the product, or until your hands are washed. Avoid breathing the vapor or spray mist.

Use in well ventilated area only.

Before using this product refer to container label and Turco Material Safety Data Sheet for additional precautionary, handling and first aid information.