TECHNICAL BRIEF

Polywater® WLD™ Leak Detector Fluid

DESCRIPTION

Polywater® WLD™ Leak Detector Fluid all season formula is specially designed to detect small, large, and difficult to identify gas leaks. WLD clings to all types of vertical surfaces. The flip-top package allows for easy application and storage. WLD does not contain chlorine, aliphatic amines, glycol ether, or ammonium compounds. It dries clean and does not stain.

- Broad temperature range
  -30° F to 158° F (-34° C to 70° C)
- Excellent vertical cling
- Long-lasting coating on all types of plastics and metals
- Non-toxic, non-corrosive

PERFORMANCE PROPERTIES

TEST DESCRIPTION	VALUE
Foam height (ASTM D1173)	
1 minute	150 mm
5 minutes	130 mm
Wetting/Vertical cling test	
To test vertical cling, a 10 mil (0.3 mm) coating of WLD fluid was applied to surface and held at a 90° vertical angle for 5 minutes at 70° F (21° C). Surface was observed for areas of non-wetting or drying	HDPE – 98 % Coverage
	PVC – 100 % Coverage
	Steel – 100% Coverage

MIL-PRF-25567E PERFORMANCE

WLD meets or exceeds MIL-PRF-25567E section 3.2, “Performance Specification: Leak Detection Compound, Oxygen Systems” Type I for a wide temperature use range. WLD is clear, water-miscible fluid without sediment or suspended matter. It does not contain mineral oil, vegetable oil, animal oil, fats, ketones, aldehydes, or alcohols.

WLD is non-flammable and will not ignite or explode when in contact with liquid or gaseous oxygen. It has a neutral pH and is non-irritating, non-sensitizing to skin.

PHYSICAL PROPERTIES

PROPERTY	RESULT
Description	Water-based, foaming solution
Appearance	Clear liquid without odor
Specific gravity @ 25°C	1.2 g/ml
Freeze point	-30°F (-34°C)
Flash point	Non-flammable to boiling
pH	6.0 to 8.0 (neutral)
Residue	<0.5%

USAGE

Open flip top cap and squeeze liquid onto leak area. Watch for new bubbles to form. Mark leak and wipe dry for repair.

Temperature use range: -30°F to 158°F (-34°C to 70°C)

STORAGE AND HANDLING

Store in a cool, dry dark location for best shelf life. Product shelf life is two years.

ORDER INFORMATION

CAT #	PACKAGE DESCRIPTION
WLD-35LF (12 units/case)	1-quart (0.95 liter) bottle with flip top
WLD-128 (4 units/case)	1-gallon (3.86 liter) jug

CONTACT US

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IMPORTANT NOTICE: The statements here are made in good faith based on tests and observations we believe to be reliable. However, the completeness and accuracy of the information is not guaranteed. Before using, the end- user should conduct whatever evaluations are necessary to determine that the product is suitable for the intended use.

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