

WELDING

WELDING DEFECT DETECTOR - PENETRANT & DEVELOPER



WL™744

1
STEP
of 2

H 2
F 4
R 0

Part of 2-Step Process with WL™745:
Step 1 of 2

HMIS Hazard Rating:
Health (2) • Flammability (4) • Reactivity (0)

WL™745

2
STEP
of 2

H 2
F 4
R 0

Part of 2-Step Process with WL™744:
Step 2 of 2

HMIS Hazard Rating:
Health (2) • Flammability (4) • Reactivity (0)

- Easy-to-use two-step system assures quality inspections
- Detects and locates cracks and defects in welds, metals, and more



PRESERVE. PROTECT. PREVENT.™

Sprayon® WL™744 Welding Defect Detector (Penetrant) is a two-part quality assurance system in conjunction with Sprayon® WL™745 Welding Defect Detector (Developer) that detects and locates cracks and defects in metals and non-porous, non-metal parts. Will detect and clearly mark even the finest faults in welds, casts and other non-porous materials before they cause product failure or costly breakdowns.

USES

- Ideal for short run applications where production testing sites are not available, or for spot testing large parts, welds, assemblies and more
- Particularly suited for the precise, very fine inspections required in the auto, construction, manufacturing, nuclear power, petroleum, foundry and railroad industries
- Turbine blades
- Molds
- Structural beams
- Pipes
- Other metal
- Non-porous, non-metal parts



WL745

WL744

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WELDING

SURFACE PREPARATION

Clean surface with Sprayon® EL™ 848 Flash Free® Electrical Degreaser. Apply a heavy film and allow to soak. Wipe clean and repeat as necessary. Dry thoroughly before using Sprayon® WL™ 744 Welding Defect Detector (Penetrant). Spray Sprayon® WL™ 744 Welding Defect Detector (Penetrant) and allow to soak for up to 20 minutes. Remove while still damp with a cloth that has been sprayed with EL™ 848 Flash Free® Electrical Degreaser (excess penetrant may distort test results). Shake Sprayon® WL™ 745 Welding Defect Detector (Developer) until agitator ball breaks loose and rattles. Then hold can at top and swing bottom of can in a circle for 2 minutes making ball travel around bottom groove of can. Press spray button firmly and hold can 8" to 12" from test area. Developer can be applied immediately after removing surface Penetrant but **DO NOT WAIT MORE THAN 10 MINUTES**. Faults, cracks and pores will be revealed in RED. After use, clean valve by holding can upside-down, spraying until only clear gas comes out.

PERFORMANCE

QPL-AMS-2644 (INSPECTION MATERIAL, PENETRATE): Yes

RDT-F-3-6T (CHLORINE & SULFUR ACTIVE INGREDIENT REQUIREMENTS): Yes

NAVSEA TECH PUB T9074-AS-GIB-010/271 (REQUIREMENTS FOR NONDESTRUCTIVE TESTING METHODS): Yes

DRYING TIME @ 70°F @ 50% R.H.

SOAK TIME: 20 min. before applying developer

CLEAN UP: Mineral Spirits

- QPL Approved
- Identifies the finest faults in welds, casts and metals
- Easy to use 2-step system

SHIPPING

Refer to section 14 of the material safety data sheet for proper transport information and labeling.

RESOURCES

MSDS/EDS/PRODUCT DATA

SHEETS: sprayon.com

CUSTOMER SERVICE: 1-800-777-2966

TECHNICAL INFORMATION: 1-800-251-2486

PROPERTIES

BASE: Oil

SOLVENT: Kerosene

APPEARANCE: Translucent red

PROPELLANT: Hydrocarbon blend

WT./GAL.: 6.04

SPECIFIC GRAVITY: 0.73

% VOC: 98.70%

V.O.C. COMPLIANT CALIFORNIA: Yes

V.O.C. COMPLIANT OTC STATES: Yes

FLAMMABLE: Yes

FLASH POINT: <0°F

HAZARD RATING: 2,4,0

COVERAGE PER AEROSOL (THEORETICAL):

10 sq. ft. per can

SHELF LIFE: 3 years from date of manufacture

PACKAGING

STOCK #: S00744

UPC CODE: 0-75577-90744-1

FILL WT.: 9 oz.

PER CASE: 12

CARTON DIMENSIONS:

L 11.13" x W 8.44" x H 6.94"

STOCK #: S00745

UPC CODE: 0-75577-90745-8

FILL WT.: 7 oz.

PER CASE: 12

CARTON DIMENSIONS:

L 11.13" x W 8.44" x H 6.94"



Distributed by:

PRESERVE. PROTECT. PREVENT.



Sprayon® Products

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310-PDS-WL744/5