



Technical Data Sheet

FlawGlo SWP-139

Solvent Removable Red Dye Penetrant

FlawGlo SWP-139 is a Solvent Removable Red Dye Penetrant. FlawGlo SWP-139 exhibits outstanding penetrating characteristics which provide for maximum reliability in locating surface-open flaws and discontinuities. FlawGlo SWP-139 can be used where a visible penetrant inspection system is required to detect surface breaking flaw.

General Appearance & Composition

- Aspect: Red Mobile Liquid
- SWP-139 is a stable solution of petroleum distillates of high flash point, non-ionic surfactants, and red dye.

Approval & Specifications

- IS 3658 & IS 12889
- ASTM 0129-13 & ASTM D808
- Article 24, ASME - Boiler and Pressure Vessel Code - Section V
- Article 6, section V 2019
- Meets the requirements of ASTM E-12
- Low in Sulphur & Halogens

Properties

- Density (20°C): 0.860 g/ml
- Flash Point: > 80°C
- Viscosity: 3 mm²/s (40°C)
- Compatible with any metal & many synthetic materials

Application

- Remove rust, tinder, and all contaminations from inspection area with cleaner (FlawGlo SC-190) before application of penetrant.
- After cleaning thoroughly apply the Penetrant (FlawGlo SWP-139).
- After application of penetrant keep the specimen for Dwell Time (10 or more minute). Remove excess penetrant using dry lint free cloth first and then wet the cloth with cleaner (FlawGlo SC-190) and wipeout the surface to remove excess penetrant so that there should not be left any background colour.
- After completing the above step, apply developer (FlawGlo SD-175) on specimen and keep the specimen for 10min or more minute for developing time.
- Once the development period is over, one can inspect the specimen. After which observer should clean the specimen (FlawGlo SC-190)

Shelf Life: 2 years stored at room temperature.

Pack Sizes: Aerosol Can 500 ml

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