

FLUXO P172

BIODEGRADABLE Red Dye Penetrant for Penetrant Testing

General Appearance & Composition

- Water Washable / Solvent Removable Red Dye Penetrant for Penetrant Testing
- Method A/C - Type 2 - Level 2 according to EN ISO 3452
- Processing Temperature : 0°C to +50°C
- **FLUXO P172** is a stable solution of green bio-solvent (high flash point), non-ionic surfactants and red dyes.

Approval & Specifications

- Sensitivity 2 according to EN ISO 3452-2
- NF EN ISO 3452-2 and NF EN 571-1
- NF EN ISO 3452-6 (Low temperature)
- RCC-M Code
- ASME - Boiler and Pressure Vessel Code - Section V
- ASTM E 1417 - ASTM E 165
- Low in Sulphur & Halogens (Nuclear Quality)

Properties

- Aspect : Red Mobile Liquid
- Density (20°C) : 0,905
- Flash Point : > 120°C
- Viscosity : 6 mm²/s (40°C)
- Compatible with any metal & many synthetic materials

Advantages for Health & Safety

- Free from petroleum distillates.
- Free from Organic Solvent - Free from VOC.
- Free from Butyl-di-glycol
- No problem with EXPOSURE CONTROL (No limit values)
- **FLUXO P172** is **Biodegradable** - Passes OECD test for ready biodegradability. Biodegradation: > 80 %
- Waste treatment and disposal costs are reduced - discharge waste process water directly into the sewage system (depending on local regulation).
- Minimal environmental, occupational health and safety impact.
- NOT FLAMMABLE / NO ODOR / NOT NOCIVE



Many biodegradable penetrants on the market are based on Butyl Di Glycol which is a dangerous and volatile organic solvent with exposure control and limit values that require monitoring at the workplace.

Application

- **Cleaning:** Remove rust, tinder and all contaminations from the part with **FLUXO** cleaner
- **Application of Penetrant:** Apply **FLUXO P172**: Application by immersion, spraying, brushing, dipping, etc... Allow to penetrate for at least 10 minutes.
- **Removal:** Remove the excess penetrant from the surface, with water. If you can't or don't want to use water, remove the excess penetrant with solvent **FLUXO S190** or remover **FLUXO N130**.
- **Drying:** Begin drying procedure immediately after water wash.
- **Developing:** Apply **FLUXO** developer on the part, achieving a thin and uniform layer.
- **Inspection:** Parts shall be inspected as per ISO 3059 standard requirements. Surface defects will appear as red or fluorescent indication.

Shelf Life

- Minimum of 5 years, stored at room temperature

Pack Sizes

- Aerosol Can (500mL)
- Drum 5L - 200L

Version: 05/03/2020