

Sherwin GLO-NETIC Fluorescent Magnetic Particle Oil

Description

GLO-NETIC is GW-1 fluorescent magnetic oxide suspended in a highly refined light petroleum oil or water. The suspension responds to magnetic leakage fields created by discontinuities in ferromagnetic material. Particles rapidly collect at leakage fields producing fluorescent indications under ultraviolet light.

Special Features

- A 360° valve that enables an aerosol to be sprayed upside down.
- Every aerosol contains a comfort nozzle for your pleasure.
- Low background colour for assured indication visibility.
- Particles are easily agitated, fast acting and produce defined indications.
- Aerosols offer convenience and improve reliability.
- Water dispersion is non flammable.

Why's Sherwin so good?

Sherwin NDT products are market leaders in quality, performance and reliability - a bold statement, but backed up by over 26 critical manufacturer approvals, including Boeing, Airbus, Rolls-Royce, Lockheed-Martin and other OEM's. Together, NDT products provide a non-destructive method of inspecting materials, parts, assemblies, equipment, surfaces and structures often referred to as the 'visible dye penetrant method' or 'colour contrast method' of inspection.

Technical Data

Color: Brown
Fluorescent: Yellow/Green
Suspension Fluid: Clear highly refined light petroleum oil or water.
Flash Point: >95°C

PRODUCT NAME	Size (ml)	Ea/Pack/Cartron Qty	Code
Sherwin Glonetic Fluorescent Magnetic Particle	400	1/12	SPSGLON400

Instructions

Note: These instructions describe the basic process, but they may need to be amended by the user to comply with applicable specification and/or inspection criteria provided by the contracting agency.

1. Clean the test surface and allow it to dry.
2. Ensure continuous agitation of the suspension. If using an aerosol, shake vigorously before and during inspection.
3. Magnetise the area to be inspected.
4. Apply the suspension to the test part at a distance of approximately 150mm from the surface.
5. Allow the excess oil/water to run off the inspection area.
6. Inspect the surface under ultraviolet light.
7. Collections of GW-1 particles will reveal discontinuities at the leakage fields.
8. Clean and repeat the process; changing the orientation of the magnetising direction.

Health & Safety

GLO-NETIC packaged within an aerosol is extremely flammable. When GW-1 is suspended in oil it forms a combustible liquid. Use with adequate ventilation and away from spark, fire or open flames. Avoid prolonged or repeated contact with skin. Do not breathe the gas, fumes, vapour or spray. Consult the MSDS for more Safety and Health information.

Get medical attention if irritation develops and persists. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.



Storage /Shelf Life

Keep away from moisture and sunlight. Keep the container closed when not in use. Temperature limit: 4°C to 50°C (40°F-125°F). Shelf life: 36 months (3 years) from date of manufacture. Refer to NOT Shelf Life and Storage Recommendations for further information.

Specifications

Aerosols, particles and suspension meet or exceed industry specifications including; MIL-STD-1949, MIL-STD-271(SH), NAVSEA 2501-1500-1, ASTM E 709, ASTM B & PV Code -Section V, AMS 3044, AMS 3045, AMS 3161, AMS 2641, DOD-F-87935.

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