

Sherwin DR-64 Cleaner/Remover

Description

DR-64 Cleaner/Remover can be used in the solvent remove penetrant process and to remove CP-2 white contrast paint from part surfaces. In the penetrant process it is a manual wipe on and wipe off material and is recommended for small areas. When removing CP-2 spray directly onto the surface and wipe. DR-64 may also be used for generally cleaning oily, dirty surfaces. DR-64 is especially suitable for cleaning prior to the application of inspection penetrants. Complies with low sulfur and low halogen requirements.

Special Features

- Every aerosol contains a direct spray tube for easy removal of white contrast paint.
- Can be used as a pre-cleaner for penetrant inspection evaporates completely and rapidly.
- Aerosols offer convenience and portability.
- Can be used in the penetrant and magnetic particle inspection process.

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:	Colourless Liquid
Volatility:	100%
Odour:	Low petroleum smell
Temp Limit:	4°C to 50°C

PRODUCT NAME	Size (ml)	Ea/Pack/Carton Qty	Code
Sherwin DR 64 Cleaner/Remover	400	1/12	SPSDR64400



COMPANION PRODUCTS	Size (ml)	Ea/Pack/Carton Qty	Code
Sherwin CP-2 White Contrast Paint	400	1/12	SPSCP20400
Sherwin BO-1 Black Oxide Magnetic Particle	400	1/12	SPSBO10400

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Sherwin DR-64 Cleaner/Remover

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.

Penetrant Process

- 1. Application:** Apply penetrant only to clean, dry surfaces by spraying, flowing, brushing or dipping.
- 2. Dwell:** After application, allow the penetrant to drain from the part surface back into the penetrant tank to conserve material.
- 3. Removal:** Remove as much excess penetrant as possible using clean, dry rag or towelling. Remove remaining penetrant film by wiping with a lint free rag or towelling that has been slightly moistened with DR-64. Use a minimal of DR-64; avoid flushing penetrant from flaws. Do not spray DR-64 directly on the part surface when removing excess penetrant. Rough surfaces require more generous applications of DR-64.
- 4. Drying:** Allow the surface to dry completely before applying developer.
- 5. Developing:** Apply the developer by cloud, dusting, spray or dip using the appropriate developer. Flaw marks are visible under appropriate lighting almost immediately, but allow sufficient developing time to enhance the flaw visibility
- 6. Inspection:** Inspect parts under appropriate light.

Magnetic Particle Process

1. Clean the test surface and allow it to dry.
2. The longer CP-2 is stirred or agitated the more uniform the spray.
3. Apply a thin coat of CP-2 to the inspection area from a distance of approximately 150mm from the surface.
4. Wait approximately 20 seconds, depending of ambient temperature, for the paint to dry.
5. Magnetise the area to be inspected.
6. Ensure continuous agitation of the suspension fluid. If using an aerosol, shake vigorously before and during inspection.
7. Apply the suspension to the test part.
8. Allow the excess oil/water to run off the inspection area.
9. Inspect the surface under visible light.
10. Collections of particles will reveal discontinuities at the leakage fields.
11. Clean and repeat the process, changing the orientation of the magnetising direction.
12. DR-64 can be used to remove CP-2 after the process is completed.

Health & Safety

DR-64 is extremely flammable when packaged within an aerosol. Use with adequate ventilation and away from spark, fire or open flames. Avoid prolonged or repeated contact with skin. Do not breathe 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 closed when not in use. Shelf life: 36 months (3 years) from date of manufacture. Refer to NDT Shelf Life and Storage Recommendations.

Sherwin CP-2 White Contrast Paint

CP-2 is a specially formulated, fast drying, low odour white paint that provides a high contrast background for interpreting magnetic particle results. CP-2 enhances the visibility of indications under visible light conditions when the background material has a similar colour to the particles. When dry, CP-2 is resistant to wet suspension fluids, but is easily removed with DR-64.

Special Features

- Every aerosol contains two nozzles for comfort and multiple spray patterns.
- High contrast, fast drying and low odour.
- Aerosols offer convenience and portability.
- More coverage for every application.
- Solvent removable.

Size: 400ml.



Sherwin BO-1 Black Oxide Magnetic Particle

BO-1 is Black Oxide No.1 black magnetic oxide suspended in a highly refined light petroleum oil.

The suspension responds to magnetic leakage fields created by discontinuities in ferromagnetic material. Particles rapidly collect at leakage fields producing black indications.

Special Features

- A 360° valve that enables an aerosol to be sprayed upside down.
- Every aerosol contains two nozzles for comfort and multiple spray patterns.
- Low background colour for assured indication visibility.
- Particles are easily agitated, fast acting and produce defined indications.
- Can be used with both stationary and portable magnetic test equipment.
- Aerosols offer convenience and improve reliability.
- More coverage for every application.

Size: 400ml.



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