



PRODUCT INFORMATION SHEET

WYNN'S RUST PENETRANT (AEROSOL)

Product Number: 31040 12 x 400g

WYNN'S RUST PENETRANT is an all-purpose aerosol spray lubricant that is formulated for many professional jobs.

Wynn's Rust Penetrant has a professional strength formula that gives proven results in many industrial and automotive applications.

Advantages

Wynn's Rust Penetrant is suitable for many automotive components and mechanical parts, particularly those found in workshops.

Wynn's Rust Penetrant quickly frees nuts and parts, frozen by rust or corrosion. It displaces water and starts wet motors. Wynn's Rust Penetrant stops squeaks to give a return to smooth and quiet operations.

Wynn's Rust Penetrant leaves a rust protective film and is ideal for tools, machinery, marine marts, lawnmowers and farm implements.

Benefits

The special chemical formula of Wynn's Rust Penetrant provides the following five benefits:-

- Quickly loosens corroded parts.
- Cleans various surfaces.
- Starts wet motors.
- Lubricates moving parts.
- Stops squeaks.
- Protects from rust and corrosion.
- Repels moisture to help prevent damage.
- Penetrates corrosion to help free rusted parts.

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Wynn's Rust Penetrant has a Professional strength formula for every professional work area.

Directions for Use

Spray Wynn's Rust Penetrant on affected part, and allow to soak in for a few minutes, and then loosen. In severe cases, re-application may be necessary. To start wet motors, spray into and around distributor cap, spark plugs, leads and battery terminals. Wynn's Rust Penetrant will not harm varnish, metal or painted surfaces.

Caution

The aerosol can is pressurised and highly flammable. Do not use whilst motor is running. Do not use near fire or flame. Do not incinerate or puncture the aerosol can, even when empty. The aerosol can should be completely empty before disposal. Recycle aerosol can if facility is available or place used can in with household rubbish.

Keep Wynn's Rust Penetrant in a cool place out of the sun. Do not store above 50°C.

Warning

Keep out of reach of children. Intentional misuse by deliberately concentrating and inhaling contents of aerosol can, can be harmful or fatal. Keep spray from aerosol can away from eyes. If swallowed, seek medical advice. For further information, refer to Material Safety Data Sheet.

Typical Characteristics

Appearance	Clear Thin Liquid
Colour (Visual)	Light Amber
Colour (ASTM D 1500)	4.0
Density @ 15°C	0.748 (ASTM D 4052)
Density @ 15°C	0.850 (Concentrate)
Flash Point (°C) ASTM D 93	35 (Concentrate)
Surface Tension (dynes/cm)	26.5
Boiling Range (°C)	-43 to 194
Boiling Point (°C)	121 (Concentrate)
Volatiles (% Vol)	81.3

Performance Tests

- RUST PENETRATION TEST

Date: November 19, 1999

Purpose: To test and compare the rust penetrating ability of Wynn's Rust Penetrant, to that of a leading competitor's product.

Procedure:

1. Spray equivalent amounts of rust penetrant into two new petri dishes.
2. Place similar rusted metal strips in the product and allow to stand vertically in the product for 24 hours.
3. Evaluate the penetrating ability of the rust penetrant being evaluated. Report the height the penetrant crept up to in mm from the surface of the rust penetrant.

Test Results:

Penetrating ability on a rusted surface:

Competitor Product	36mm
Wynn's Rust Penetrant	55mm

At two hours each product has crept about the same amount (25mm).

Conclusions:

1. The penetrating or wetting ability of Wynn's Rust Penetrant is equivalent or better than the competitor product in this relatively subjective test.
2. Wynn's Rust Penetrant has a weaker odour than the competitor product.

- IRON CORROSION TEST

Date: November 19, 1999

Purpose: To test and compare the rust inhibiting ability of Wynn's Rust Penetrant to that of several other products.

Procedure:

1. Weigh out 5 grams of iron chips and place into a 250ml jar lid with a new filter paper in the lid.

2. Weigh out 5 grams of water and soak chips and filter paper.
3. Spray iron chips with rust penetrant and swirl around to ensure coating of the iron chips with the water and rust penetrant.
4. After one hour, pipette off as much water and rust penetrant as possible with a transfer pipette.
5. Evaluate the iron chips and filter paper after 48 hours. Examine for oxidation and rust residue on the filter paper.

Test Results:

Corrosion Inhibition Evaluation:

Sample	Product	Chips	Filter Paper
1	Control (No Rust Penetrant)	Severely Oxidised	Very Heavy Rust Residue
2	Wynn's Rust Penetrant (#310)	No Rust Evident	Nil on Staining
3	Competitor Product	No Rust Evident	Slight Staining
4	Wynn's Stops Corrosion (#522)	No Rust Evident	Very Slight Staining
5	Wynn's Rust Penetrant (#527)	Slightly Oxidised	Moderate Staining

Conclusions:

1. Wynn's Rust Penetrant performs superior in corrosion inhibition over the other products tested.