

TECHNICAL DATA REPORT

HS 1387

METAL DOCTOR Polymeric Rust Converter

DESCRIPTION:

Advanced formula that transforms rust by absorbing rust cells and transforming them in a moisture free black barrier.

PURPOSE:

METAL DOCTOR is a one-step process that destroys old rust and coats surfaces to prevent new rust. It is an un-pigmented latex primer that contains rust converting chemicals that destroy old rust and then dries to a tough black polymer coating that offers long lasting protection against new rust and corrosion.

HOW TO USE:

- 1) SHAKE WELL BEFORE USE.
- 2) Remove excess dirt and oil. Wire brush to remove old scale. For best results on very old or chemically induced rust (acids, caustics), brush or sand until bright metal just begins to appear.
- 3) Apply METAL DOCTOR directly to surface to be coated or pour a small quantity into a clean can for easier application. **DO NOT RETURN UNUSED MATERIAL TO CONTAINER.**
- 4) Use of rubber gloves is recommended.
- 5) Brush or sponge on liberally using long, smooth strokes. An airless spray can also be used.
- 6) A black coating will begin to appear in five minutes. Uneven colour indicates need for additional applications to achieve maximum protection. Wait ten to twenty minutes between applications (at 20°C). Allow 24 to 48 hours before surface finishing. Most finish coats can be applied directly over dried METAL DOCTOR. Acrylic latex finish coats require a solvent-based primer/sealer.
- 7) Brush, rollers, and other tools should be cleaned immediately with detergent and water. Flush spray equipment immediately with detergent and water. METAL DOCTOR is difficult to remove when dry.

PRINCIPAL USERS:

Machinery reconditioners, industrial plants, garages, municipalities, motor rebuilders, aircraft refinishing companies, marinas.

ADVANTAGES:

- 1) Stops rust - Chemically converts existing rust into a moisture free protective barrier.
- 2) Prevents future rusting - Advanced polymer formula forms an oxidation resistant barrier.
- 3) Easy to use - Just brush, roll or spray on surface to be treated.
- 4) Excellent primer - Can be painted.
- 5) One-step process - Eliminates sandblasting, acidizing, grinding and scraping.

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PRECAUTIONS:

- 6) Non-flammable - Water based emulsion contains no solvents; low toxicity.
- 7) Long shelf life - May be stored for up to one year.

Avoid contact with eyes, contains mildly acidic ingredients. In case of contact with eyes, flush for 15 minutes with water and get medical attention. Can cause skin irritation, wear rubber gloves when handling undiluted material. Keep out of reach of children. Read Material Safety Data Sheet.

SPECIFICATIONS:

Appearance	White thick emulsion
Odour	Slight acrylic odour
pH	1.5 - 2.5
Density	±1.3