



AEROWAX™ MT

Technical Data Sheet

AEROWAX MT is a highly refined plating maskant wax with a melting point range of 168-180°F (76-82°C).

AEROWAX MT is selected when a wax with excellent flexibility and adhesion, substrate compatibility and prevention of undercutting is required.

AEROWAX MT effectively masks both simple and complex geometries and is suitable for hard chrome, nickel sulfamate and other selective plating applications.

AEROWAX MT is designed to be easily removed using Petroferm's BIOACT® 280 Series, a group of water-rinsable, bio-based dewaxing solvents. Designed to operate in heated immersion equipment, this series exhibits excellent wax loading properties (up to 40%), very low volatility and are suitable replacements for trichloroethylene (TCE), methylene chloride (MeCl), caustic cleaners, petroleum-derived solvents and hot oils.

AEROWAX MT is formulated with a highly visible indicator dye which provides easy detection of coverage by plating bath operators.

AEROWAX MT is safe for use on ferrous and non-ferrous alloys such as untreated aluminum, alodined and anodized aluminum, copper and copper alloys, titanium, magnesium and steels.

AEROWAX MT is supported by a global network of technical representatives, capable of solving the industries most difficult cleaning and finishing applications.

AEROWAX is a trademark of Petroferm Inc.

FEATURES & BENEFITS

- Excellent Flexibility & Adhesion
- Prevents Undercutting
- Substrate Compatibility
- Resistant to Plating Chemistries
- Cleaned using BIOACT 280 Series bio-based dewaxing solvents
- Aerospace Tested
- High Temperature Stability
- Long Bath Life
- Highly Visible Coating

ENVIRONMENTAL/REGULATORY

Ozone Depletion Potential (ODP).....	Zero
Global Warming Potential (GWP).....	Low
Significant New Alternatives Program (SNAP).....	Approved
Hazardous Air Pollutant (HAP).....	No
National Emission Standards for Hazardous Air Pollutants (NESHAPs).....	Not regulated
Superfund Amendments and Reauthorization Act (SARA).....	Not regulated
Resource Conservation and Recovery Act (RCRA).....	Not regulated

PROPERTIES

Appearance.....	Red
Odor.....	Mild
Form.....	Slabs
Congealing Point.....	154-167°F (68-75°C)
Melting Point.....	168-180°F (76-82°C)
Pounds Per Gallon (100°C).....	6.60
Needle Penetration (25°C).....	~25 dmm
Viscosity (100°C).....	14-20 mm ² /s

APPLICATIONS

AEROWAX MT is suitable for use in the following applications.

- Hard Chrome
- Sulfamate Nickel
- Lead
- Silver

Do not use AEROWAX MT in any plating bath where the temperature of solution exceeds the melting point of the wax.

AEROWAX MT

EQUIPMENT

- AEROWAX MT is suitable for use in a variety of commercially available heated immersion tanks.
- Companies requiring new cleaning equipment may contact Petroferm for supplier recommendations.

APPROVALS & TESTING

Testing

Pratt & Whitney PWA 36604 Rev D (*partial*)
ASTM F-945 Method A
Hot Corrosion

SHELF LIFE

The shelf life for this product is indefinite when it is stored in its original container.

Typical property data is not intended for specification purposes. Petroferm, its sales agents and distributors make no warranty of merchantability of the product or of product fitness for any particular purpose. This product and all information supplied are used at the purchaser's own risk. The purchaser assumes all risk of use or handling of the product, whether in accordance with directions or not.

PROCESS

2 Tank Operation (*Apply a minimum of two coats of wax*)

1. For good adhesion, heat the 1st tank to 225°F ±15°F (107°C ±9°C).
2. Immerse a clean part in the wax bath until it reaches the temperature of the wax bath. Remove and cool slightly.
3. For subsequent coatings, heat the 2nd tank to ~190°F (88°C).
4. Dip part in bath and withdraw quickly, allowing to cool slightly.
5. Repeat until part has desired coating thickness.

1 Tank Operation (*Apply a minimum of two coats of wax*)

1. Heat the tank to 200°F ±10°F (93°C ±5°C).
2. Immerse a clean part in the wax bath until it reaches the temperature of the wax bath. Remove part and cool slightly.
3. For subsequent coatings, dip part in the same tank and withdraw quickly. Allow to cool slightly.
4. Repeat step until part has desired coating thickness.

DISPOSAL/SAFETY

Disposal: Petroferm recommends contacting your current or local environmental service company for disposal of this product.

Safety: Please see Material Safety Data Sheet for further information.

Storage: AEROWAX MT should be stored in the original container, in a ventilated, fire-resistant building. Do not store above 77°F (25°C) for extended periods of time. Avoid direct sunlight.

Packaging: AEROWAX MT is available in 55 lb (25 kg) cartons containing 5 – 11 lb (5 kg) slabs.



Petroferm

Advanced Products for Advanced Cleaning

Petroferm Inc.

3938 Porett Drive • Gurnee, IL 60031 USA

Tel: +1 847-244-3410 • Fax: +1 847-249-6346

www.petroferm.com

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