



## Technical Data Sheet

## BIOACT™ 280 Wax Remover

### Product Description

**BIOACT 280** Wax Remover is a semi-aqueous cleaner is designed to quickly dissolve paraffinic, microcrystalline plating wax and thermoplastic fixturing waxes. BIOACT 280 is approved by leading aircraft OEMs. It also effectively removes pitches, greases, buffing compounds, metalworking fluids and lubricating oils. BIOACT 280 is a suitable replacement for trichloroethylene (TCE), HCFC-141b, HCFC-225, perchloroethylene (PCE), methylene chloride (MeCl), n-propyl bromide (*n*PB) and petroleum-derived solvents for dewaxing operations. BIOACT 280 is compatible with many polymeric substrates, elastomers and is safe for use with ferrous and non-ferrous alloys.

### Features and Benefits

- Removes High Melting Soils
- Material Compatibility
- Replaces Vapor Degreasing
- Up to 40% Wax Loading
- Replaces Hot Oil
- Very Low Odor
- Non-Corrosive
- Aerospace Approved
- Low Toxicity

### Properties

Odor	Very Low
Flash Point	285 °F (141 °C)
Specific Gravity (25 °C)	0.87
Vapor Pressure (20 °C)	<0.002 mmHg
Viscosity (25 °C)	7.3 cps
Kauri-Butanol (KB) Value	90

### Soils Removed

- Coolants
- Paraffinic Wax
- Fixturing Waxes
- Pitches
- Greases
- Plating Waxes
- Hydraulic Fluids
- Polishing Compounds
- Microcrystalline Wax
- Buffing Compounds

### Equipment

Suitable for use in a variety of commercially available cleaning equipment including heated immersion tanks.

### Process

Wash Bath Concentration	100% concentration
Wash Bath Temperature	180-205 °F (82-96 °C)
DI Water Rinse Temperature	160-180 °F (71-88 °C)

*Please refer to the BIOACT 280 Operators Manual or complete operational procedural details.*



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### Environmental/Regulatory

Ozone Depletion Potential (ODP)	Zero
Global Warming Potential (GWP)	Essentially Zero
Hazardous Air Pollutant (HAP)	No
Volatile Organic Compound (VOC)	137 g/L
Superfund Amendments and Reauthorization Act (SARA)	Not regulated
National Emission Standards for Hazardous Air Pollutants (NESHAPs)	Not Regulated
Resource Conservation and Recovery Act (RCRA)	Not Regulated

### Disposal/Safety

#### Disposal

Vantage recommends contacting your current or local environmental service company for proper disposal.

#### Safety

Please see Safety Data Sheet for further information.

### Approvals/Testing

#### Approvals

**General Electric Aviation** as a general parts cleaner and as a plating wax remover on GEAE and CFMI engine hardware.

**General Electric Aviation** per the Master Cleaner List 3.6.5 identified in GE Aviation SCWC (supply chain web center), Semi-Aqueous Immersion Cleaners (100%)

**Honeywell** Process Specification C7010, Rev H

**International Aero Engines (IAE)** CoMat 01-460

**Pratt & Whitney** MCL E-205 Titanium Stress Corrosion Test

**Pratt & Whitney** as PMC 8913-1,-2 Wax Removal Solvent for SPOP 37 Method 2 Removal of Plating Wax (SPM Rev 120, Part #585005)

**Pratt & Whitney** as PMC 8913-1,-2 Wax Removal Solvent for POP 1800-U Masking of Parts Prior to Selective Painting, Chemical Processing, Painting or Stripping

#### Testing

ASTM F1110, F2111, F945, F519

Conforms to **Honeywell** EMS 53170 Rev C 10-21-97 Type 1

Supported by **Hawker Pacific Aerospace**, U.K. as a General Purpose High Temperature Degreasing Agent

### Packaging

Available in 36 lb (16 kg) pails and 400 lb (181 kg) drums.

### Shelf Life

36 months when stored in original, sealed container 50 °F (10 °C). Protect product from freezing.



ISO 9001:2008



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