

## Technical Data Sheet

## AXAREL® 3000

### Product Description

**AXAREL 3000 Precision Cleaner** is an approved MIL-PRF-680 Type III cleaner suitable for the replacement of isopropyl alcohol (IPA), acetone, methyl ethyl ketone (MEK), toluene, mineral spirits, PD-680 solvents and other low flash point, flammable solvents. The low vapor pressure of this cleaner can result in a significant reduction in VOC emissions. It is designed for use as a manual cleaner. Since AXAREL 3000 has a high flash point, it can be used as an immersion cleaner at elevated temperatures. It removes mineral oils, lubricants, coolants, synthetics, waxes and particulate matter. AXAREL 3000 is compatible with many polymeric substrates, elastomers and is safe for use with ferrous and non-ferrous alloys.

### Features and Benefits

- Approved MIL-PRF-680 Type III Solvent
- Very High Flash Point
- Powerful Solvency
- May be Heated
- Replaces P-D-680 Solvents
- Low Toxicity
- Non-Hazardous
- Low Surface Residues

### Properties

Odor	Essentially Odorless
Flash Point	205 °F (96 °C)
Specific Gravity (25 °C)	0.83
Distillation Range	430-563 °F (221-295 °C)
Viscosity (25 °C)	2.2 cps
Vapor Pressure (20 °C)	0.18 mmHg
Kauri-Butanol (KB) Value	39
Non-Volatile Residue	40 ppm

### Soils Removed

- Mineral Oils
- Water Soluble Oils
- Synthetic Oils
- Coolants
- Rust Inhibitors
- Greases
- Lubricating Oils
- Fingerprint Oils
- Particulate Matter
- Waxes

### Equipment

Suitable for use in a variety of commercially available cleaning equipment including immersion/soak tanks, low pressure spray-under-immersion systems and vertically oscillating systems.

### Process

#### Manual Cleaning

Apply at full concentration to the desired substrate by brush, pad or cloth.

#### Immersion Cleaning



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Add at full concentration to the wash tank reservoir at temperatures between ambient and 180 °F (82 °C).

### Environmental/Regulatory

Ozone Depletion Potential (ODP)	Zero
Global Warming Potential (GWP)	Zero
Hazardous Air Pollutant (HAP)	No
Volatile Organic Compound (VOC)	830 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 and Testing

#### Approvals

- Airbus** A330 Maintenance Manual Item 11-002
- Airbus** Consumable Materials List (CML) (ref. MIL-PRF-680)
- Boeing** PSD 6-88 for BAC 5750
- Goodrich Wheels and Brakes** Component MM 2-1577 Series
- Honeywell Aerospace** per MIL-PRF-680B Qualifications
- Lockheed Martin** STP57-201 Rev H. (EPS G41.14)
- Messier-Bugatti** Component MM 2-1577 Series
- Pratt & Whitney** PMC 9001-5, -6, -9
- MIL-PRF-680 Type III** (Military Symbol SD-3) (DS-0017)

#### Testing

ASTM F-1110, F-483, F-945, D-130, D-1296, D-1353

NSN 6850-01-474-2318, NSN 6850-01-474-2320, NSN 6850-01-474 -2321

### Packaging

Available in 33 lb (15 kg) pails and 365 lb (165 kg) drums.

### Shelf Life

36 months when stored in original, sealed container above 50 °F (10 °C).

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### Technical Data Sheet



ISO 9001:2008



**RoHS**  
Compliant



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**REACH** ✓

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