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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AXAREL® 3000

ISO 9001:2008

RoHS Compliant

LEAD FREE

HALOGEN FREE

SVHC REACh

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