

Technical Data Sheet

AXAREL® 4000

Product Description

AXAREL 4000 Precision Cleaner is an approved MIL-PRF-680 Type IV cleaner formulated to provide the highest soil removal capability of all four types of MIL-PRF-680 solvents. It is suitable for the replacement of isopropyl alcohol (IPA), acetone, methyl ethyl ketone (MEK), 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. This powerful, non-hazardous solvent with exceptional drying characteristics effectively removes hard to clean soils such as heavy greases, mineral oils, lubricants coolants, synthetics and particulate matter. AXAREL 4000 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 IV Solvent
- Good Solvency
- Replaces P-D-680 Solvents
- Non-Hazardous
- Low Surface Residues
- Low Toxicity

Properties

Odor	Mild Citrus
Flash Point	147 °F (64 °C)
Specific Gravity (25 °C)	0.77
Distillation Range	374-407 °F (190-205 °C)
Viscosity (25 °C)	1.54 cps
Vapor Pressure (20 °C)	0.8 mmHg
Kauri-Butanol (KB) Value	30
Non-Volatile Residue	60 ppm

Soils Removed

- Mineral Oils
- Water Soluble Oils
- Synthetic Oils
- Coolants
- Rust Inhibitors
- Greases
- Lubricating Oils
- Fingerprint Oils
- Heavy Greases
- Dust

Equipment

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

Process

Manual Cleaning

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

Immersion Cleaning

Add at full concentration to the wash tank reservoir. The use of ultrasonics or heat is not recommended

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Environmental/Regulatory

Ozone Depletion Potential (ODP)	Zero
Global Warming Potential (GWP)	Low
Hazardous Air Pollutant (HAP)	No
Volatile Organic Compound (VOC)	768 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)
- Honeywell Aerospace** per MIL-PRF-680 Qualifications
- Lockheed Martin** STP57-201, Rev. H
- MIL-PRF-680B Type IV** Degreasing Solvent (QPL) (DS-0023)

Testing

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

NSN 6850-01-472-2717, NSN 6850-01-472-2719, NSN 6850-01-472-2722

Packaging

Available in 32 lb (15 kg) pails and 352 lb (159 kg) drums.

Shelf Life

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

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ISO 9001:2008



RoHS
Compliant



LEAD FREE



REACH ✓

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