AERO-WIPE™
ONE WIPE IS ALL IT TAKES!

Aero-Wipe™ FKAW680III

MIL-PRF-680 Type III Solvent Cleaning Wipe Kit

The Aero-Wipe FKAW680III Kit comprises a pair of black nitrile gloves and a 100% cotton wiper pre-saturated with Vantage Axarel™ 3000, a MIL-PRF-680 Type III qualified solvent cleaner. It is engineered as a direct replacement for isopropyl alcohol (IPA), acetone, methyl ethyl ketone (MEK), mineral spirits, PD-680 solvents and other low-flash-point, flammable cleaners. The fluid's low vapor pressure delivers a substantial reduction in VOC emissions while maintaining high cleaning effectiveness.

The FKAW680III Kit is intended for manual hand wiping applications that demand very low surface residue. It effectively removes greases, mineral oils, lubricants, coolants, synthetics and particulate matter, and is well suited to cleaning prior to NDT inspection, packaging, final assembly, maintenance, surface preparation for bonding, painting, plating, sealing and welding. Axarel 3000 is compatible with a broad range of polymeric substrates and elastomers and is safe for use on ferrous and non-ferrous alloys.

Aero-Wipe is also available with a MIL-PRF-680 Type II saturating fluid for applications requiring a lower flash point, no discernible residue and a slightly faster evaporation rate.

FEATURES & BENEFITS	
Qualified MIL-PRF-680 Type III solvent	Very low surface residue
Direct replacement for A-A-59601 (P-D-680)	Excellent materials compatibility
Low toxicity profile	No special handling or containerization required

GENERAL PROPERTIES	
Odor	Essentially odorless
Flash Point	80 °C (180 °F)
Specific Gravity @ 25 °C	0.77
Viscosity	1.54 cP
Distillation Range	189–207 °C (372–405 °F)
Vapor Pressure @ 20 °C	0.49 mmHg
Evaporation Rate (n-BuAc = 1)	0.1
Surface Tension	25.1 dynes/cm
Non-Volatile Residue	30 ppm
Specific Heat	~0.5 BTU/lb·°F
Latent Heat of Evaporation	~132 BTU/lb

GENERAL EFFECTIVITY

The information herein is believed to be accurate. No warranty, express or implied, is given. Refer to the SDS for safety and handling guidance.

Wide range of non-polar soils	Metalworking fluids
Corrosion-inhibiting compounds	Synthetic & petroleum-based oils
Hydraulic fluids	Synthetic & petroleum-based greases
Adhesives & tape residue	General dirt & grime

COMPATIBILITY

No known harmful interactions with metal surfaces or metal components.

Brake components	Turbine systems
Ground support equipment (GSE)	Landing gear components
Engine parts & components	General dirt & grime build-up on metal components

APPLICATION / CLEANING PROCESS

Manual Application	Open the Aero-Wipe Kit master envelope and remove the wipe pouch and glove pouch.
	Remove the gloves from their transparent zip-seal envelope and don both gloves.
	Open the chemical-resistant wipe envelope and remove the pre-saturated wipe.
	Unfold the wipe and apply to the target surface as required for the application.
	Discard used wipes and gloves in accordance with local waste-handling regulations.

ENVIRONMENTAL & REGULATORY

Ozone Depletion Potential (ODP)	Zero
Flash Point Classification	Moderate
Density @ 25 °C	770 g/L (0.77 g/mL)
Hazardous Air Pollutants (HAP)	None
SARA (Superfund Amendments & Reauthorization Act)	Not regulated
NESHAPs (National Emission Standards for Hazardous Air Pollutants)	Not regulated
Resource Conservation & Recovery Act (RCRA)	Not regulated

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APPROVALS, TESTING & CONFORMITY

Axarel™ 3000 — General Approvals	Airbus Consumables Materials List
	Boeing PSD 6-88
	Eurocopter, Bell Helicopter, Sikorsky Helicopters
	Goodrich Wheels & Brakes
	Honeywell Aerospace
	Lockheed Martin STP-57-201
	Pratt & Whitney PMC9001-3, -4, -8
	MIL-PRF-680 Type II Degreasing Solvent QPL (DS-0018)
Axarel™ 3000 — Test Methods	ASTM F1110, F483, F945, D130, D1296, D1353
Wipe Substrate Conformity	AMS 3819D, Class 2, Grade A, Form 1 — Asahi Kasei / Ozu Corporation (Bemcot C of C for A-100 product)
Wipe Approvals	Boeing BMS 15-5G, Class A
Glove Conformity	EN 374 (nitrile, black)

PACKAGING & SHELF LIFE

Aero-Wipe Kit Packaging	Aluminized vacuum-sealed master envelope
	Chemical-resistant vacuum-sealed wipe envelope
	Transparent zip-seal glove envelope
Shelf Life – Saturating Fluid	As printed on the reverse side of the master envelope
Shelf Life – Wipe Substrate	No expiration (when stored sealed under ambient conditions)
Shelf Life – Nitrile Gloves	No expiration (when stored sealed under ambient conditions)

DISPOSAL & SAFETY

Contact your local environmental services provider for proper disposal in accordance with applicable regulations. Refer to the product Safety Data Sheet (SDS) for full handling, storage, transport and disposal information.

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