



AXAREL[®] 3000

Technical Data Sheet

AXAREL 3000 is an approved MIL-PRF-680B Type III solvent cleaner designed for manual cleaning and immersion applications.

AXAREL 3000 is selected when a non-hazardous cleaner with powerful solvency, a high flash point, very low odor and low non-volatile residue (NVR) is required

AXAREL 3000 is suitable for use at elevated temperatures in variety of commercially available immersion cleaning equipment.

AXAREL 3000 is formulated to effectively remove a wide range of soils such as heavy greases, mineral oils, lubricants, coolants, synthetics, waxes and particulate matter.

AXAREL 3000 is safe for use with ferrous and non-ferrous alloys such as aluminum, copper and copper alloys, magnesium, nickel, steel, stainless steel, titanium and zinc. It is also compatible with many polymeric substrates and elastomers.

AXAREL 3000 is a suitable replacement for acetone, isopropyl alcohol (IPA), methyl ethyl ketone (MEK), toluene and other low-flash point, flammable materials. It may also be an effective alternative to halogenated solvents and caustic cleaners.

AXAREL 3000 is supported by a global network of technical representatives, capable of solving the industries most difficult cleaning applications.

AXAREL is a registered trademark of Petroferm Inc.

FEATURES & BENEFITS

- Very High Flash Point
- Very Low Odor
- Powerful Solvency
- May Be Heated
- Corrosion Inhibition
- MIL-PRF-680B Approved
- Replaces P-D-680 Solvents
- Low Toxicity
- Non-Hazardous
- Low Surface Residue/NVR

PROPERTIES

Appearance.....	Clear liquid
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).....	0.1 mm Hg
Kauri-Butanol (KB) Value.....	39
Refractive Index (20°C).....	1.445
Evaporation Rate (n-BuAc=1).....	< 0.1
Non-volatile Residue (100mL).....	4 mg

PROCESS

Manual Cleaning: Apply AXAREL 3000 at full concentration to the desired substrate by brush, pad or cloth.

Immersion Cleaning: Add AXAREL 3000 at full concentration to the wash tank reservoir at temperatures between ambient and 180°F (82°C).

SOILS REMOVED

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

AXAREL 3000

EQUIPMENT

- AXAREL 3000 is 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.
- Companies requiring new equipment may contact Petroferm for supplier recommendations.

APPROVALS & TESTING

Approvals

MIL-PRF-680B Type III (Military Symbol SD-3) (DS-0017)
NSN# 6850-01-474-2318, -2320, -2321

Testing

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

SHELF LIFE

The shelf life for this product is thirty-six (36) months when it is stored in its original, sealed container at room temperature.

However, the product should be inspected after thirty-six (36) months from the date of manufacture prior to customer use.

Typical property data is not intended for specification purposes. Petroferm, its sales agents and distributors make no warranty of merchantability of the product or of product fitness for any particular purpose. This product and all information supplied are used at the purchaser's own risk. The purchaser assumes all risk of use or handling of the product, whether in accordance with directions or not.

ENVIRONMENTAL/REGULATORY

Ozone Depletion Potential (ODP).....	Zero
Global Warming Potential (GWP).....	Low
Volatile Organic Compound (VOC).....	.830 g/l
Significant New Alternatives Program (SNAP).....	Approved
Hazardous Air Pollutant (HAP).....	No
National Emission Standards for Hazardous Air Pollutants (NESHAPs).....	Not regulated
Superfund Amendments and Reauthorization Act (SARA).....	Not regulated
Resource Conservation and Recovery Act (RCRA).....	Not regulated

DISPOSAL/SAFETY

Disposal: Petroferm recommends contacting your current or local environmental service company for disposal of this product.

Safety: Please see Material Safety Data Sheet for further information.

Storage: AXAREL 3000 should be stored in the original container, preferably above 50°F (10°C), in a ventilated, fire-resistant building.

Packaging: AXAREL 3000 is available in 33 lb (15 kg) pails and 365 lb (165 kg) drums.



Petroferm

Advanced Products for Advanced Cleaning

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