



AXAREL[®] 9100

Technical Data Sheet

AXAREL 9100 is a blended, high flash point solvent designed for immersion and manual cleaning applications. It may also be used as a solvating agent in co-solvent and bi-solvent vapor degreasing.

AXAREL 9100 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 9100 is suitable for use at elevated temperatures in variety of commercially available immersion cleaning equipment.

AXAREL 9100 is formulated to effectively remove a wide range of soils such as heavy greases, mineral oils, lubricants, coolants, synthetics, waxes and particulate matter.

AXAREL 9100 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 9100 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 9100 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
- Low Toxicity
- Good Solvency
- Corrosion Inhibition
- May Be Heated
- Non-Corrosive
- Non-Flammable
- Non-Combustible
- 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 9100 at full concentration to the desired substrate by brush, pad or cloth.

Immersion Cleaning: Add AXAREL 9100 at full concentration to the wash tank reservoir at temperatures between ambient and 180°F (82°C).

Co-Solvent Vapor Degreasing: Add a ratio of AXAREL 9100 and rinsing agent according to the specific application.

SOILS REMOVED

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

AXAREL 9100

EQUIPMENT

- AXAREL 9100 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

Mechanical Section, Lockheed Fort Worth
Rolls-Royce CSS No.255 Type A Non-Halogenated
Rolls-Royce Plc Assessment (1993/94)
Conforms to Royal Air Force Harrogate (1995)
Conforms to MIL-PRF-680B Type III

Testing

ASTM F-1110, F-483, F-945, D-130, D-1296, D-1353, SAE ARP 1755B

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 9100 should be stored in the original container, preferably above 50°F (10°C), in a ventilated, fire-resistant building.

Packaging: AXAREL 9100 is available in 33 lb (15 kg) pails and 365 lb (165 kg) drums.



Petroferm

Advanced Products for Advanced Cleaning

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