



AXAREL[®] 4100

Technical Data Sheet

AXAREL 4100 is a highly versatile solvent cleaner designed for manual cleaning and immersion applications. This proprietary cleaner is a mixture of modified alcohols and refined hydrocarbons.

AXAREL 4100 is formulated with a broad range of solvency, selected to remove soils with both polar and non-polar characteristics. It effectively removes greases, mineral oils, coolants, synthetics and other metalworking fluids.

AXAREL 4100 is also selected for its combination of fast dry time and low surface residue and may be used for cleaning prior to painting, plating and other surface finishes.

AXAREL 4100 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 4100 is a direct 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 4100 is supported by a global network of technical representatives, capable of solving the industries most difficult cleaning applications.

FEATURES & BENEFITS

- Broad Based Solvency
- Low Surface Residue/NVR
- Fast Dry Time
- Low Surface Residue
- Used for Final Cleaning
- Replaces IPA, MEK, Acetone
- Good Material Compatibility
- Does Not Require Heating
- Aerospace Approved
- Removes Polar & Non-Polar Soils

PROPERTIES

Appearance.....	Clear liquid
Odor.....	Mild
Boiling Point.....	> 305°F (>152°C)
Flash Point.....	116°F (47°C)
Specific Gravity (25°C).....	0.76
Vapor Pressure (20°C).....	2.0 mm Hg

PROCESS

- Manual Cleaning:** Apply AXAREL 4100 at full concentration to the desired substrate by brush, pad, cloth or swab.
- Immersion Cleaning:** Add AXAREL 4100 at full concentration to the wash reservoir.

SOILS REMOVED

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

AXAREL 4100

EQUIPMENT

- AXAREL 4100 is suitable for use in a variety of commercially available cleaning equipment including immersion/soak tanks, low pressure spray-under-immersion systems, vertically oscillating systems and airless vacuum hydrocarbon systems.
- Companies requiring new equipment may contact Petroferm for supplier recommendations.

APPROVALS & TESTING

Approvals

Goodrich Actuation Sys. 981-100-020 Issue 4 Solvent Degreasing
Rolls-Royce CSS No 255 Non-Aqueous Cleaning Fluids
NSN# 8010-01-535-0740

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 4100 should be stored in the original container, preferably above 50°F (10°C), in a ventilated, fire-resistant building.

Packaging: AXAREL 4100 is available in 31 lb (14 kg) pails and 350 lb (159 kg) drums.



Petroferm

Advanced Products for Advanced Cleaning

Petroferm Inc.

3938 Porett Drive • Gurnee, IL 60031 USA

Tel: +1 847-244-3410 • Fax: +1 847-249-6346

www.petroferm.com

Date: 4/09