

Technical Data Sheet

AXAREL® 6100

Product Description

AXAREL 6100 is a blend of aliphatic hydrocarbons formulated to offer an excellent combination of low-odor, minimum residue, and a broad range of solvency. It is a non-aqueous cleaning agent suitable for removing a wide variety of soils in immersion or hand-wipe cleaning applications.

AXAREL 6100 was developed so that it evaporates rapidly, leaving no residue on the substrate surface to interfere with subsequent processing of the parts. It may be a suitable replacement for isopropyl alcohol (IPA), acetone, methyl ethyl ketone (MEK) and other low flash point, flammable solvents. It may also be an effective alternative to halogenated solvents and caustic cleaners.

Features and Benefits

- Moderate Dry Time
- Excellent Solvency
- Removes Difficult Soils
- Surface Preparations
- Material Compatibility
- Replaces IPA, MEK, Acetone
- Low Toxicity
- Non-Corrosive
- Good Soil Loading
- Low Surface Residue

Typical Properties

Appearance	Colorless liquid
Flash Point (Pensky-Martens Closed Cup)	142°F (61°C)
Specific Gravity @ 25°C	0.82 ± 0.01
Viscosity @ 25°C	1.6 cps
Vapor Pressure @ 20°C	<1.0 mm Hg
Kauri-Butanol (KB) Value	39.6
Odor	Mild

Environmental and Regulatory

Biodegradability	Complete (EPA 28 day test)
Ozone Depletion Potential (ODP)	Zero
Global Warming Potential (GWP)	Low
Volatile Organic Compound (VOC)	820 g/l (EPA Method 24a)
Significant New Alternatives Program (SNAP)	Approved
Hazardous Air Pollutants (HAP)	No

Environmental and Regulatory, *continued*

National Emission Standards for Hazardous Air Pollutants (NESHAP)	Not regulated
Superfund Amendments and Reauthorization Act (SARA)	Not regulated
Resource Conservation and Recovery Act (RCRA)	Not regulated

Process

Manual Cleaning: Apply **AXAREL 6100** at full concentration to the desired substrate by brush, pad or cloth.

Immersion Cleaning: Add **AXAREL 6100** at full concentration to the wash tank reservoir. The use of ultrasonics or heat is not recommended.

Soils Removed

- Adhesives
- Asphalts
- Buffing Compounds
- Corrosion Inhibitors
- Coolants
- Fingerprints
- Greases
- Hard Water Stains
- Hydraulic Fluids
- Inks
- Mold Release Compounds
- Paint Overspray
- Particulate Matter
- Polishing Compounds
- Sealants
- Silicones
- Tars
- Waxes

Equipment

- **AXAREL 6100** is suitable for use in a variety of commercially available cleaning equipment including immersion/soak tanks and vertically oscillating systems.
- Companies requiring new equipment may contact Petroferm for supplier recommendations.

Approvals and Testing

Approvals

Bell Helicopter, Bulletin No 1915, Solvents, Blended Organic, Cold Degreasing

Goodrich Actuation Systems 981-100-020 Issue 4 Solvent Degreasing

Rolls-Royce CSS No 255 Type A Non-Halogenated Organic Solvent Cleaner (MLC104)

Pratt & Whitney Hot Corrosion Testing of Standard Gas Turbine Engine Alloys (AMS 4037, 4375, 6359, 5508, 5536, 5544, 5608)

Testing

SAE ARP 1755B, ASTM F945 (20% & 100%)

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.

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 6100** should be stored in the original container, preferably above 50°F (10°C), in a ventilated, fire-resistant building.

Packaging: **AXAREL 6100** is available in 5 gallon pails and 55 gallon drums.



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.