

## Technical Data Sheet

## AXAREL® 9100

### Product Description

**AXAREL 9100** is a non-hazardous high performance solvent cleaner, offering broad-based solvency, low toxicity and low odor. It is a direct replacement for acetone, isopropyl alcohol (IPA), methyl ethyl ketone (MEK), toluene and other low-flash point, flammable materials. AXAREL 9100 is designed for use as a manual cleaner. Since AXAREL 9100 has a high flash point, it can also be used as an immersion cleaner at elevated temperatures. It removes mineral oils, lubricants, coolants, synthetics, waxes and particulate matter. AXAREL 9100 is compatible with many polymeric substrates, elastomers and is safe for use with ferrous and non-ferrous alloys.

### Features and Benefits

- High Flash Point
- Replaces IPA, MEK, Acetone
- Excellent Solvency
- Low Toxicity
- Removes Difficult Soils
- Non-Corrosive
- Surface Preparations
- Good Soil Loading
- Material Compatibility
- Low Surface Residue

### Properties

Odor	Essentially Odorless
Flash Point	205 °F (96 °C)
Specific Gravity (25 °C)	0.83
Viscosity (25 °C)	2.2 cps
Kauri-Butanol (KB) Value	39
Vapor Pressure (20 °C)	0.18 mm Hg
Distillation Range	430-563 °F (221-295 °C)
Non-Volatile Residue	40 ppm

### Soils Removed

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

### Equipment

Suitable for use in a variety of commercially available cleaning equipment including immersion tanks and spray-under-immersion systems.

### Process

#### Manual Cleaning

Apply at full concentration to the desired substrate by brush, pad or cloth.

#### Immersion Cleaning

Add at full concentration to the wash tank reservoir.

## Technical Data Sheet

**AXAREL® 9100**

### Environmental/Regulatory

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

### Disposal/Safety

#### Disposal

Vantage recommends contacting your current or local environmental service company for proper disposal.

#### Safety

Please see Safety Data Sheet for further information.

### Approvals and Testing

#### Approvals

**Boeing** D6-17487 Rev M Exterior & General Cleaners & Liquid Waxes

**Bombardier** Service Bulletin S.B. 670BA-34-027 Cleaning Pitot and Static Lines and Fittings, Sec 3.B. (CRJ: CL-600-2C10,-2D24)

**Goodrich Power Systems** Co-Solvent Vapor Degreasing (w/ LENIUM IPS).

Process Spec. NO: 914-014-078 to 085. Title: Solvent & Aqueous Degreasing & Cleaning. Issue: 9

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

**Rolls-Royce** OMat 1/257M Solvent Cleaner

**Royal Air Force** Harrogate Montreal Protocol Alternatives Programme Replacement for ODPs ('95)

#### Testing

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

### Packaging

Available in 33 lb (15kg) pails and 365 lb (166 kg) drums.

### Shelf Life

36 months when stored in original, sealed container above 50 °F (10 °C).



ISO 9001:2008



**RoHS**  
Compliant



**LEAD FREE**



**REACH**✓

AXAREL is a registered trademark of Vantage Specialties, Inc.

Typical property data is not intended for specification purposes. Vantage Specialties, Inc., 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.

Vantage Specialties, Inc.

3938 Porett Drive • Gurnee, Illinois 60031 USA • **P** +1 847 244 3410 • **F** +1 847 249 6346 • [www.vantagegrp.com](http://www.vantagegrp.com)