



AXAREL[®] 32

Defluxer

Technical Data Sheet

AXAREL 32 is a semi-aqueous spray and immersion cleaner designed for ambient or heated defluxing applications. This proprietary cleaner is a mixture of highly-refined solvents and surfactants.

AXAREL 32 is a water-rinsable cleaner, selected for its excellent solvency, easy rinsing, high soil loading, temperature flexibility and process versatility.

AXAREL 32 is also selected for its ability to separate from water in the rinse section, providing solvent recovery and recycling. For applications requiring rapid separation, AXAREL[®] 36 is recommended.

AXAREL 32 effectively removes ionic contamination and high temperature solder flux residues from Surface Mount Devices (SMDs) and other electronic components.

AXAREL 32 offers excellent compatibility with most substrates and materials used in electronic assembly cleaning applications. It is not recommended for use with RTV silicones, polystyrenes or polycarbonates.

AXAREL 32 does not contribute to ozone depletion and its components are approved by the EPA's Significant New Alternatives Policy (SNAP) as an alternative to ozone depleting substances.

AXAREL 32 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

- Removes High-Temp Residues
- Used at Elevated Temperatures
- Easy Water Rinsing
- Separates for Recycling
- High Soil Loading
- Removes Ionics
- Zero Ozone Depletion
- pH Neutral
- High Flash Point
- Excellent Solvency

PROPERTIES

Appearance.....	Clear liquid
Odor.....	Mild hydrocarbon
Flash Point.....	205°F (96°C)
Specific Gravity (25°C).....	0.85
Viscosity (25°C)	2.8 cps
Vapor Pressure (20°C).....	< 0.1 mm Hg
Kauri-Butanol (KB) Value.....	64

PROCESS

Wash: Add AXAREL 32 at full concentration to the wash tank reservoir at operating temperatures typically ranging from 140°F (60°C) to 160° (71°C). Mechanical agitation is recommended.

Rinse: Remove AXAREL 32 from the substrate surface with a heated water rinse. A decanter is commonly used in the first rinse to separate AXAREL 32 from the water. AXAREL 32 may be channeled back to the wash reservoir for reuse. Most systems incorporate two or three successive rinses. Mechanical or ultrasonic agitation is recommended.

SOILS REMOVED

- Lead-Free Flux Residues
- No-Clean Flux Residues
- RMA Flux Residues
- Water-Soluble Flux Residues
- Fingerprint Oils
- Uncured SMD Adhesives
- Ionic Contamination
- High-Temp Residues

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EQUIPMENT

- AXAREL 32 is suitable for use in specially designed cleaning equipment including immersion, ultrasonics, *spray-in-air and spray-under-immersion systems.
- Bath concentration may be monitored by specific gravity or refractive index.
- Companies requiring new cleaning equipment may contact Petroferm for supplier recommendations.

*May require fire suppression system

HEALTH & SAFETY

Environmental

AXAREL 32 is a suitable alternative to ozone depleting substances and other materials with high environmental impact.

Health & Safety

AXAREL 32 is a suitable alternative to substances with high exposure hazards.

Fire Risk

AXAREL 32 is a suitable alternative to flammable or combustible materials.

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).....	786 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

*AXAREL 32 components

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

Packaging: AXAREL 32 is available in 33 lb (15 kg) pails and 365 lb (166 kg) drums.



Petroferm

Advanced Products for Advanced Cleaning

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