



AXAREL[®] 2200

Technical Data Sheet

AXAREL 2200 is a high performance electronics cleaner designed for hand-wipe and immersion applications. This proprietary cleaner is based on a mixture of highly-refined, polar and non-polar solvents.

AXAREL 2200 is selected when a fast drying solvent with excellent solvency, good soil loading and low surface residue is required. It is also selected for removing white residues sometimes observed when defluxing with isopropyl alcohol (IPA).

AXAREL 2200 is formulated to quickly remove uncured Surface Mount Device (SMD) adhesive and unreflowed solder paste from stencils and misprinted assemblies. It also effectively removes no-clean, water-soluble and rosin solder paste and flux residues as well as tape residues.

AXAREL 2200 may be a suitable replacement for isopropyl alcohol (IPA), α -limonene, hydrocarbons, hydrofluoroethers (HFEs), hydrofluorocarbons (HFCs), HCFC-141b and HCFC-225.

AXAREL 2200 offers excellent compatibility with many substrates and materials used in electronic assembly cleaning applications.

AXAREL 2200 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

- Excellent Solvency
- Fast Dry Time
- Good Soil Loading
- Low Surface Residue/NVR
- Material Compatibility
- Removes Ionics
- Removes White Residues
- Removes Raw Solder Pastes
- Replaces Isopropyl Alcohol
- Replaces Toxic Substances

PROPERTIES

Appearance.....	Clear liquid
Odor.....	Mild alcohol
Flash Point.....	111°F (44°C)
Specific Gravity (25°C).....	0.82
Viscosity (25°C)	1.9 cps
Vapor Pressure (20°C).....	3.54 mm Hg
Kauri-Butanol (KB) Value.....	>150

PROCESS

Manual Cleaning: Apply AXAREL 2200 at full concentration to the desired substrate by brush, pad or cloth. For maximum convenience, safety and versatility, AXAREL 2200 is available in pre-saturated, very low-lint wipes.

Immersion Cleaning: Add AXAREL 2200 at full concentration to the wash tank reservoir. Ultrasonics or heat is not recommended.

SOILS REMOVED

- Rosin Solder Pastes
- Water-Soluble Solder Pastes
- Epoxy Solder Pastes
- Uncured SMD Adhesives
- White Residues
- Marking Inks
- Uncured Encapsulants
- No-Clean Solder Pastes
- Tape/Label Residues
- Lubricants, Oils, Greases
- Ionic Contamination
- Fingerprints

AXAREL 2200

EQUIPMENT

- AXAREL 2200 is suitable for use in appropriately designed non-aqueous equipment such as modified vapor degreasers, IPA batch cleaners and metal dip tanks. The use of ultrasonics or heat is not recommended.
- Companies requiring new equipment may contact Petroferm for supplier recommendations.

HEALTH & SAFETY

Environmental

AXAREL 2200 is a suitable alternative to ozone depleting substances and other materials with high environmental impact.

Health & Safety

AXAREL 2200 is a suitable alternative to substances with high exposure hazards.

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).....	818 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 2200 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 2200 should be stored in the original container, preferably above 50°F (10°C), in a ventilated, fire-resistant building.

Packaging: AXAREL 2200 is available in 33 lb (15 kg) pails and 365 lb (166 kg) drums.



Petroferm

Advanced Products for Advanced Cleaning

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