



BIOACT[®] SC-22

Technical Data Sheet

BIOACT SC-22 is a powerful electronics cleaner designed for ambient or heated stencil and misprint cleaning. This proprietary cleaner is based on a mixture of modified alcohols.

BIOACT SC-22 is formulated to quickly remove uncured Surface Mount Device (SMD) adhesives and raw solder pastes from stencils and misprinted circuit assemblies. It also effectively removes rosin, no-clean and water-soluble flux residues from circuit assemblies.

BIOACT SC-22 is selected to (1) improve cleaning of hard-to-remove adhesives and pastes, (2) replace flammable solvents, (3) eliminate water rinsing and (4) provide good soil loading capabilities.

BIOACT SC-22 is used neat (100%) for removing difficult adhesives, thick film pastes, baked-on rosin and no-clean flux residues. It may also be used diluted for removing water-soluble flux residues and many rosin and no-clean flux residues and solder pastes.

BIOACT SC-22 is a suitable replacement for isopropyl alcohol (IPA) and other flammable solvents used in batch stencil/misprint cleaning equipment and hand wipe cleaning applications. Moreover, it offers excellent compatibility with many substrates and materials used in electronics cleaning applications.

BIOACT SC-22 is supported by a global network of technical representatives, capable of solving the industries most difficult cleaning applications.



BIOACT is a registered trademark of Petroferm Inc.

FEATURES & BENEFITS

- Excellent Solvency
- pH Neutral
- Water Rinsing Optional
- Used Neat or Diluted
- Good Soil Loading
- Replaces Isopropyl Alcohol (IPA)
- Removes Difficult SMD Adhesives
- Removes Raw Solder Paste
- Removes Lead-Free Flux Residues
- Removes Baked-On Flux Residues

PROCESS

Application	Conc. (%)	Temp. °F (°C)
Stencil/Misprint Cleaning Defluxing • Spray-In-Air & Immersion • Manual	100	Ambient to 125 (49)
Stencil/Misprint Cleaning Defluxing • Spray-In-Air & Immersion	20 to 30	

Rinse: For stencil/misprint cleaning and defluxing, use a fresh bath of BIOACT SC-22 or deionized water at 80°F to 130°F (27°C to 54°C).

Dry: Use ambient or heated forced air.

SOILS REMOVED

- Uncured SMD Adhesives
- Rosin Solder Pastes
- No-Clean Solder Pastes
- Water-Soluble Solder Pastes
- Epoxy Solder Pastes
- Ionic Contamination
- Lead-Free Flux Residues
- Rosin Flux Residues
- No-Clean Flux Residues
- Water-Soluble Flux Residues

PROPERTIES

Appearance.....	Clear liquid
Odor.....	Distinct
Flash Point.....	144°F (62°C)
Specific Gravity (25°C).....	0.88
Kauri-Butanol (KB) Value.....	>150
Viscosity (25°C)	3.0 cps
Vapor Pressure (20°C).....	0.5 mm Hg

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EQUIPMENT

- BIOACT SC-22 is suitable for use in specially designed cleaning equipment including *spray-in-air and spray-under-immersion systems.
- Bath concentration may be monitored refractive index.
- Companies requiring new cleaning equipment may contact Petroferm for supplier recommendations.

*May require fire suppression system

HEALTH & SAFETY

Environmental

BIOACT SC-22 is a suitable alternative to ozone depleting substances and other materials with high environmental impact.

Health & Safety

BIOACT SC-22 is a suitable alternative to substances with high exposure hazards.

Fire Risk

BIOACT SC-22 is a suitable alternative to flammable 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).....	Zero
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

*BIOACT SC-22 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: BIOACT SC-22 should be stored in the original container, preferably above 50°F (10°C), in a ventilated, fire-resistant building.

Packaging: BIOACT SC-22 is available in 36 lb (16 kg) pails and 400 lb (181 kg) drums.



Petroferm

Advanced Products for Advanced Cleaning

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