



# BIOACT<sup>®</sup> SC-10

## Technical Data Sheet

BIOACT SC-10 is a high performance electronics cleaner designed for hand-wipe and immersion applications. This proprietary cleaner is based on a mixture of citrus terpenes, alcohols and hydrocarbons.

BIOACT SC-10 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).

BIOACT SC-10 is formulated to quickly remove uncured Surface Mount Device (SMD) adhesive and raw solder paste from stencils and misprinted assemblies. It also effectively removes no-clean, water-soluble and rosin solder paste and flux residues. It also removes many acrylic and silicone conformal coatings as well as tape residues.

BIOACT SC-10 is a suitable replacement for isopropyl alcohol (IPA) and other flammable solvents used in batch stencil/misprint cleaning equipment. For cleaning applications and equipment requiring a non-flammable cleaner, Petroferm recommends BIOACT SC-22.

BIOACT SC-10 is also a suitable hand-wipe replacement for isopropyl alcohol (IPA), acetone, toluene, xylene and trichloroethylene (TCE).

BIOACT SC-10 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
- Fast Dry Time
- Soil Loading Properties
- Material Compatibility
- Removes Ionics
- Removes Flux Residues
- Removes White Residues
- Removes Raw Solder Pastes
- Replaces Isopropyl Alcohol
- Replaces Toxic Substances

### PROPERTIES

|                               |                    |
|-------------------------------|--------------------|
| Appearance.....               | Clear liquid       |
| Odor.....                     | Mild odor (citrus) |
| Flash Point.....              | 105°F (41°C)       |
| Specific Gravity (25°C).....  | 0.80               |
| Viscosity (25°C).....         | 1.6 cps            |
| Vapor Pressure (20°C).....    | 1.5 mm Hg          |
| Kauri-Butanol (KB) Value..... | >150               |
| Dielectric Strength.....      | 40.1 kV            |

### PROCESS

**Manual Cleaning:** Apply BIOACT SC-10 at full concentration to the desired substrate by brush, pad or cloth. For maximum convenience, safety and versatility, BIOACT SC-10 is available in pre-saturated, very low-lint wipes. To increase rate of evaporation pass compressed air across the surface.

**Immersion Cleaning:** Add BIOACT SC-10 at full concentration to the wash tank reservoir. For optimal performance, install a rinse tank with BIOACT SC-10 as well. Ultrasonics or heat is not recommended.

### SOILS REMOVED

- Raw Solder Pastes
- Uncured SMD Adhesives
- No-Clean Flux Residues
- Rosin Solder Flux Residues
- Water-Soluble Flux Residues
- White Residues
- Marking Inks
- Uncured Encapsulants
- Acrylic Conformal Coatings
- Silicone Conformal Coatings
- Tape/Label Residues
- Lubricants, Oils, Greases
- Ionic Contamination
- Fingerprints

# BIOACT SC-10

## EQUIPMENT

- BIOACT SC-10 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

BIOACT SC-10 is a suitable alternative to ozone depleting substances and other materials with high environmental impact. When compared to isopropyl alcohol (IPA), VOC output can be reduced up to 85% on an average 8 hour day.

### Health & Safety

BIOACT SC-10 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).....                                       | 800 g/l       |
| Significant New Alternatives Program (SNAP).....                           | *Approved     |
| Hazardous Air Pollutant (HAP).....   | No            |
| National Emission Standards for<br>Hazardous Air Pollutants (NESHAPs)..... | Not regulated |
| Superfund Amendments<br>and Reauthorization Act (SARA).....                | Not regulated |
| Resource Conservation and<br>Recovery Act (RCRA).....                      | Not regulated |

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

**Packaging:** BIOACT SC-10 is available in 33 lb (15 kg) pails and 365 lb (166 kg) drums.



## Petroferm

*Advanced Products for Advanced Cleaning*

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