



# BIOACT<sup>®</sup> 105

## Technical Data Sheet

BIOACT 105 is a powerful blend of citrus terpenes, alcohols and hydrocarbons designed for hand-wipe and immersion applications.

BIOACT 105 is selected when a fast drying solvent with excellent solvency and low surface residue is required. It is also selected for cleaning and surface preparation prior to painting, coating and bonding.

BIOACT 105 is formulated to effectively remove difficult soils such as adhesives, buffing and polishing compounds, greases, hard water stains, paint overspray, silicones and waxes.

BIOACT 105 is safe for use with ferrous and non-ferrous alloys such as aluminum, copper and copper alloys, magnesium, nickel, steel, stainless steel, titanium and zinc. It is also compatible with many polymeric substrates and elastomers.

BIOACT 105 may be a suitable replacement for isopropyl alcohol (IPA), acetone, methyl ethyl ketone (MEK) and other low flash point, flammable solvents. It may also be an effective alternative to halogenated solvents and caustic cleaners.

BIOACT 105 is a high-purity solvent, designed to leave substrates with very low surface residue and low non-volatile residue (NVR).

BIOACT 105 is ideal for most hand-wipe cleaning applications. For maximum convenience, safety and versatility, BIOACT 105 is available in pre-saturated, low-lint wipes.

BIOACT 105 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

- Fast Dry Time
- Excellent Solvency
- Removes Difficult Soils
- Surface Preparations
- Material Compatibility
- Replaces IPA, MEK, Acetone
- Low Toxicity
- Non-Corrosive
- Good Soil Loading
- Low Surface Residue/NVR

### PROPERTIES

Appearance.....	Clear liquid
Odor.....	Mild citrus/alcohol
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 105 at full concentration to the desired substrate by brush, pad or cloth.

**Immersion Cleaning:** Add BIOACT 105 at full concentration to the wash tank reservoir. The use of ultrasonics or heat is not recommended.

### SOILS REMOVED

- Adhesives
- Asphalts
- Buffing Compounds
- Corrosion Inhibitors
- Coolants
- Fingerprints
- Greases
- Hard Water Stains
- Hydraulic Fluids
- Inks
- Mold Release Compounds
- Paint Overspray
- Particulate Matter
- Polishing Compounds
- Sealants
- Silicones
- Tars
- Waxes

# BIOACT 105

## EQUIPMENT

- BIOACT 105 is suitable for use in a variety of commercially available cleaning equipment including immersion/soak tanks and vertically oscillating systems.
- Companies requiring new equipment may contact Petroferm for supplier recommendations.

## APPROVALS & TESTING

### Approvals

Bell Helicopter Bulletin No.: 1915  
Conforms to Boeing D6-17487 Rev L (*except: ASTM F-484*)  
CFM PNC No. 2007/00123 V1.B (CFM56)  
GE Method No. 23, SPM Task 70-21-23-110-053 (CO4-251)  
GE alternate to Method No. 1 & Method No. 22  
Gulfstream Aerospace GAS115H  
Pratt & Whitney SPOP 208, PMC 8929  
Conforms to Pratt & Whitney PWA 36604 Hot Corrosion (4037)  
Rolls-Royce CSS No. 255 Type A  
United Airlines (Part #'s SOL3001-17 & SOL3001-17WL10X12)

### Testing

ASTM F-945, F-1110, F-502, F-519, F-485, F-482, F-2111

## 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  
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

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

**Packaging:** BIOACT 105 is available in 35 lb (16 kg) pails and 365 lb (166 kg) drums.



# Petroferm

*Advanced Products for Advanced Cleaning*

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