

## Technical Data Sheet

## BIOACT® 105

### Product Description

**BIOACT 105 Precision Cleaner** is a high purity, fast drying solvent designed to leave substrates with low surface residues. This powerful blend of citrus terpenes, alcohols and hydrocarbons designed for hand wiping and immersion applications to effectively remove difficult soils such as adhesives, buffing and polishing compounds, greases, paint overspray, silicones and waxes. It is a direct replacement for acetone, isopropyl alcohol (IPA), methyl ethyl ketone (MEK), toluene and other low flash point, flammable materials. The low vapor pressure of this cleaner can result in a significant reduction in VOC emissions. BIOACT 105 is compatible with many polymeric substrates, elastomers and is safe for use with ferrous and non-ferrous alloys.

### Features and Benefits

- Fast Dry Time
- Replaces IPA, MEK, Acetone
- Excellent Solvency
- Low Toxicity
- Removes Difficult Soils
- Surface Preparations
- Good Soil Loading
- Material Compatibility
- Low Surface Residues

### Properties

Odor	Mild citrus/alcohol
Flash Point	105 °F (41 °C)
Specific Gravity (25°C)	0.80
Viscosity	1.6 cps
Kauri-Butanol (KB) Value	>150
Vapor Pressure (20 °C)	1.5 mmHg
Dielectric Strength	40.1 kV

### Soils Removed

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

### Equipment

Suitable for use in a variety of commercially available cleaning equipment including immersion tanks.

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### Process

#### Manual Cleaning

Apply at full concentration to the desired substrate by brush, pad or cloth.

#### Immersion Cleaning

Add at full concentration to the wash tank reservoir. The use of ultrasonics or heat is not recommended.

### Environmental/Regulatory

Ozone Depletion Potential (ODP)	Zero
Global Warming Potential (GWP)	Low
Hazardous Air Pollutant (HAP)	No
Volatile Organic Compound (VOC)	800 g/L
Superfund Amendments and Reauthorization Act (SARA)	Not regulated
National Emission Standards for Hazardous Air Pollutants (NESHAPs)	Not Regulated
Resource Conservation and Recovery Act (RCRA)	Regulated

### Disposal/Safety

#### Disposal

Vantage recommends contacting your current or local environmental service company for proper disposal.

#### Safety

Please see Safety Data Sheet for further information.

### Approvals/Testing

#### Approvals

**Bell Helicopter** Bulletin No.: 1915

**Bombardier** BAPS 180-009 General (G) Manual Solvent Cleaner

**CFM** CP# 2719 Rev 76

**General Electric** Method No. 23, SPM Task 70-21-23-110-053 (C04-251)

**General Electric** alternate to Method No. 1 & Method No. 22

**Gulfstream Aerospace** GAS115H

**Honeywell** C5049 Cleaning of Titanium & Titanium Alloys

**Pratt & Whitney** SPOP 208 & POP 1800-U, PMC 8929

**Rolls-Royce** CSS No. 255 Type A

**Rolls-Royce** OMat 1/257S Solvent Cleaner

**United Airlines** (Part #'s SOL3001-17 & SOL3001-17WL10X12)

#### Testing

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

Conforms to **Boeing** D6-17487 Rev L (*except: ASTM F-484*)

Conforms to **Douglas Aircraft Co.** CSD #1

Conforms to **Pratt & Whitney** PWA 36604 Hot Corrosion (4037)

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### Packaging

Available in 35 lb (16 kg) pails and 365 lb (166 kg) drums.

### Shelf Life

36 months when stored in original, sealed container above 50 °F (10 °C).



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Vantage Specialties, Inc.

3938 Porett Drive • Gurnee, Illinois 60031 USA • P +1 847 244 3410 • F +1 847 249 6346 • [www.vantagegrp.com](http://www.vantagegrp.com)