

Technical Data Sheet

BIOACT™ 105 Pre-Saturated Wipes

Product Description

BIOACT 105 Pre-Saturated Wipes contain a safe and effective blend of solvents designed for hand-wipe cleaning applications. These wipes are selected when a fast-drying solvent with excellent solvency and low surface residue is required. They are also selected for cleaning and surface preparation prior to painting, coating and bonding.

BIOACT 105 Pre-Saturated Wipes are formulated to effectively remove difficult soils such as adhesives, buffing and polishing compounds, corrosion inhibiting compounds greases, hard water stains, paint overspray, silicones and waxes. They are safe for use with ferrous and non-ferrous alloys such as aluminum, copper and copper alloys, magnesium, nickel, steel, stainless steel, titanium and zinc. They are also compatible with many polymeric substrates and elastomers. They may be a suitable replacement in hand-wiping applications using isopropyl alcohol (IPA), acetone, methyl ethyl ketone (MEK) and other low flash point, flammable solvents.

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

Appearance	Clear Liquid
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



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Equipment

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

Process

Manual Cleaning/Degreasing: Apply BIOACT 105 wipes to the desired substrate.

Manual Surface Preparation (Damp-Dry Method): Prior to bonding, sealing or coating, apply BIOACT 105 wipes to the desired substrate. Before the solvent begins to evaporate, wipe the wetted substrate with a clean dry low lint towel.

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)	Not 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

Commercial

AMS 3167 QPL Approved, AMS-3167B:2005 Class 1, Form 1, Types 1 and 2 – Solvents, Wipe for Cleaning Prior to Application of Primer and Top Coat Materials, or Sealing Compounds

AMS 3819 (BIOACT 105 Pre-Saturated Wipes, Aerospace Grade Wipes Material)

American Airlines CPN M018325

Bell Helicopter Bulletin No: 1915 Solvents, Blended Organic, Cold Degreasing (Liquid and Pre-Saturated Wipes)

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

Bombardier Consumable Products Manual 8-12A – SOLVENT, Degreaser, Ele Wiring Harness, Components (Q400)

Bombardier TASK 20-30-00-110-805 Chem Cleaning of the Ele Wiring Transition, Adapter, Overbraid (Q400 AMM)



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Bombardier TASK 61-20-36-110-801 Chemical Cleaning of the Propeller Electronic Control Unit (Q400 AMM)
Bombardier TASK 20-30-110-801 Chemical Cleaning of the Electrical Wiring Component (Q400 AM)
Bombardier TASK 20-30-00-110-802 Ext Chemical Cleaning of the Ele Wiring Connector and the Backshell (Q400 AMM)
Bombardier TASK 20-30-00-110-803 Internal Chemical Cleaning of the Electrical Wiring Connector (Q400 AMM)
Bombardier TASK 20-30-00-150-802 Stripping of the Corrosion Inhibiting and Corrosion Preventative Compounds (Q400 AMM)
Bombardier TASK 51-21-26-340-801 Application of RTV Silicone Adhesive (Q400 AMM)
CFM International CP# 2719 Rev 76
GE Aviation C04-251
GE Aviation Cleaning Method No 23 Hand-Wipe Degreasing, SPM Task 70-21-23-110-053
GE Aviation Alt to SPM TASK 70-21-01-110-001 Cleaning Method No 1 Solvent Degreasing
GE Aviation Alt to SPM TASK 70-21-22-110-042 Cleaning Method No 22 Light Duty Aqueous Cleaning
Gulfstream Aerospace Standard GAS115H for Solvent Cleaner/Degreaser, Mixed Hydrocarbons, Part# GAS115H1
Honeywell C5049 Cleaning of Titanium and Titanium Alloys
International Aero Engines (IAE) CoMat 01-506 (Liquid), CoMat 01-506A (Pre-saturated Wipes)
Pratt & Whitney PMC 8929 Hand Wiping Solvent, SPOP 208 Degreasing of Parts by Solvent Wiping (SPM Rev 120, Part# 585005)
Pratt & Whitney PMC 8929 Hand Wiping Solvent, POP 1800-U Masking of Parts Prior to Selective Painting, Chemical Processing, Painting, Stripping
Pratt & Whitney PWA 36604 Rev D Hot Corrosion (AMS 4037)
Rolls-Royce CSS No 255 Type A Non-Halogenated Organic Solvent Cleaner (MLC104)
Rolls-Royce OMat 1/257S Solvent Cleaner
United Airlines Engine Parts Cleaning, Part #: SOL3001-17 for BIOACT 105 Precision Cleaner
United Airlines Engine Parts Cleaning, Part #: SOL3001-17TWL10X12 for BIOACT 105 Pre-Saturated Wipes

Military

NSN # 7930-01-596-8655

Testing

Airbus AIMS 09-00-002 (excludes acrylic and polycarbonate crazing)
AMS 1526C (excludes flash point, effects on transparent acrylic plastics, and storage stability)
Boeing D6-17487 (excludes acrylic crazing)
Douglas CSD #1 (excludes acrylic crazing)
ASTM F 945, ASTM F 1110, ASTM F 502, ASTM F 519, ASTM F 485, ASTM F 483, ASTM F 2111, ASTM D 3941, ASTM D 2879, ASTM D 1901, ASTM D 1613, ASTM B 117, ASTM G 46
Dissimilar Metal Corrosion (AMS 3167)
Cleaning Prior to Painting – Removal of Contaminants (AMS 3167)
Cleaning Prior to Sealant – Removal of Contaminants, (AMS 3167)
Removal of Uncured Sealant (AMS 3167)
Removal of AMS 3100 Adhesion Promoter (AMS 3167)

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Effects on Fuel Tank Sealants (AMS 3167)
Effects on Carbon/Epoxy Composites (AMS 3167)
Effects on Polyamide Insulated Wire (AMS 3167)
Cold Storage Stability (AMS 3167)
Paint Softening Test (Airbus AIMS 09-00-002)

Packaging

Available in tubs of seventy, eight inch by ten inch (8" x 10") very low-lint towels. They are packaged six tubs to a case.

Shelf Life

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



ISO 9001:2008



RoHS
Compliant



LEAD FREE



HALOGEN
FREE



REACH✓

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