



## Technical Data Sheet

## BIOACT™ 145 CIC Remover & Solvent Cleaner

### Product Description

**BIOACT 145** CIC Remover & Solvent Cleaner is a highly-refined solvent blend formulated to provide robust cleaning performance in aviation maintenance cleaning applications. It is suitable for removing a wide variety of soils in spray, immersion or hand-wipe cleaning applications.

BIOACT 145 has been tested to quickly and effectively remove corrosion inhibiting compounds (CICs) e.g. ARDROX AV-8, CORBAN 23/35. It also removes greases, hydraulic fluids, oils and other hard-to-remove soils. BIOACT 145 is also well suited for surface preparation prior to bonding, painting, plating, or welding and can be used for cleaning prior to non-destruct testing (NDT).

BIOACT 145 is an alternative to isopropyl alcohol, acetone, methyl ethyl ketone, and other low-flash-point flammable materials, as well as mineral spirits, d-limonene, chlorinated and halogenated solvents.

### Features and Benefits

- Flash Point of 143°F (62°C)
- Does not contain Hazardous Air Pollutants
- Does not contain D-limonene
- Removes CICs e.g. Corban 23/35, ARDROX AV-8
- Excellent Materials Compatibility
- Does Not Require Special Containers or Handling

### Properties

Odor	Mild
Flash Point	143°F (62°C)
Distillation Range	350-450°F (171-238°C)
Specific Gravity (25 °C)	0.83 ±0.01
Vapor Pressure	0.4 mmHg
Viscosity (25 °C)	2.4 cps
Kauri-Butanol (KB) Value	133

### Soils Removed

- Adhesives
- Buffing & Polishing Compounds
- Coolants & Metalworking Fluids
- Corrosion Inhibiting Compounds (CICs)
- Fingerprints
- Hydraulic Fluids
- Inks
- Mold Release Compounds
- Waxes

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)



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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. Ultrasonic agitation may be used with proper safety controls.

### Approvals and Testing

#### Commercial

American Airlines CPN M018347

Gulfstream Aerospace Standard GAS115H for Solvent Cleaner/Degreaser, Mixed Hydrocarbons,  
Part# GAS115H1

#### Testing

Airbus AIMS 09-00-002 (excludes acrylic and polycarbonate crazing)

Boeing D6-17487 (excludes acrylic crazing), BSS7432

Douglas CSD #1 (excludes acrylic crazing)

ASTM F 945, ASTM F 1110, ASTM F 502, ASTM F 519, ASTM F 485, ASTM F 483

### Environmental/Regulatory

Ozone Depletion Potential (ODP)	Zero
Global Warming Potential (GWP)	Zero
Hazardous Air Pollutant (HAP)	No
Volatile Organic Compound (VOC)	829 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.

### Packaging

Available in pails and drums.

### Shelf Life

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



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