



## Technical Data Sheet

## B&B™ TC-100 Gas Path Cleaner

### Product Description

**B&B TC-100** Gas Path Cleaner is an aqueous cleaner used for turbine engine gas path cleaning for off-line (starter cranked) and for on-line (fired) engine cleaning. When used as directed, it is effective in cleaning compressor blades, stators, air passages, etc. in turbine engines. Safeguards against abnormal temperature increases, power loss and increases in fuel consumption.

**B&B TC-100** is also commonly used in heated immersion cleaning equipment for removing oils, grease, debris and other soils from components and assemblies.

### Features and Benefits

- Removes salt, oil and solid deposits
- Non-flammable
- Low EHS impact
- May be used for crank and hot-running washing

### Process

#### For Turbine Engine Gas Path Cleaning

B&B TC-100 should be applied to all engines in compliance with instructions outlined in applicable T.O.s and engine manufacturer's technical manuals. Consult engine manufacturer's technical manuals for blanking off or disconnecting air bleeds and protecting sensing devices from moisture. If there are no manuals to reference, Vantage suggests a 25% concentration of B&B TC-100 for engine cleaning. After application, rinse with fresh water (using same procedure as chemical application) until discharge water from tail pipe is clear. For cleaning operations below freezing, contact your Vantage representative for details.

#### For Immersion Cleaning

Add B&B TC-100 to the wash tank at a 100% concentration. Lower concentrations may be used depending on the requirements of the specific application. Typical operating temperatures range between 140-180°F (60-82°C). Mechanical agitation is recommended. Remove the cleaner and residual soil from the substrate surface with a heated water rinse. Mechanical agitation during rinsing is also recommended.

### Approvals/Testing

#### Commercial

Airbus, TASK 49-16-00-210-802-A and TASK 49-16-00-210-805-A  
Boeing, APU In-Situ Cleaning, Prop-BN82T-C89-461  
Boeing 747 Maintenance Manual, 49-11-00, Compressor Washing Fluid (Ref 20-30-01)  
Boeing 737-600/700/800/900 U-File, Bulk and Consumable Materials  
CFM, CP5060  
GE Aviation, C04-140

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Honeywell Aerospace CMM 182820 D. Aqueous Cleaning (Subtask 21-50-14-100-004-A01) Heat Exchanger Cleaning

Continental Airlines (now United Airlines)

Pratt & Whitney Canada CPMC 79038

Pratt & Whitney PWC11-003E Cleaner Detergent, Engine Maintenance Manual 71-00-00 Power Plant – Cleaning, Model Part Number 3021442, PT6

### Military

MIL-C-85704, Type IIA, Cleaning Compound, Turbine Engine Gas Path

NSN # 7930-01-367-0983 (5 gal), 7930-01-367-0984 (55 gal)

### Testing

Boeing D6-17487, BSS7432

Rolls-Royce MSRR 9914, Testing to Appendix 1, 3, 4, 5, 6, 10 and Flash Point

AMS 1550A, Cleaner for Interior Materials of Aircraft, Biodegradable, Water-Base

### 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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