



BREAKTHROUGH®

Benzene-Free, HAP-Free Solvent

PRODUCT DESCRIPTION

BREAKTHROUGH® is a benzene free, HAP free, state of the art solvent designed to help users break out of the tangle of regulations regarding emissions, disposal, and industrial health hazards.

Physical/Chemical

Flash Point:	150°F (PMCC)
Vapor Pressure (mmHg @ 20°C):	.1 mmHg

ADVANTAGES

BREAKTHROUGH® is a virtually odorless, low toxicity, high-purity hydrocarbon that exhibits a very low degree of irritancy to the eyes and is non-irritating to the skin. It has a low vapor pressure to control Volatile Organic Compound (VOC) emissions, is non-carcinogenic, and is not regulated under SARA, Title III, Sections 302 or 313, CERCLA, and RCRA requirements. **BREAKTHROUGH®** has no listed components and characteristics of hazardous waste per the EPA; and worker exposure is not regulated by the OSHA Z-list. **BREAKTHROUGH®** has been awarded a complete Toxicity Clearance by the U.S. Army Center for Health Promotion and Preventative Medicine.

**NATIONAL STOCK NUMBER:
4250-01-595-9601: 5 Gallon Can**

SPECIFICATIONS

BOEING AIRCRAFT COMPANY

- **BAC 5750** – General Solvent Cleaning on Boeing Aircraft.

CFM AIRCRAFT ENGINES

- **CP 2011 - BREAKTHROUGH®** is approved for all aircraft engine cleaning applications calling for PD-680 Type I and Type II.

GE AIRCRAFT ENGINES

- **C04-002 - BREAKTHROUGH®** is approved for all engine cleaning applications calling for PD-680 Type I and Type II.

PRATT & WHITNEY

- **PMC 9001 - BREAKTHROUGH®** approved to Engine Cleaning Specification.

ROLLS ROYCE AIRCRAFT ENGINES

- **BREAKTHROUGH®** is approved for all aircraft engine cleaning applications calling for PD-680 Type II.

BELL HELICOPTER

- Part Number **2110-07015** – General solvent cleaning on Bell Helicopter Aircraft.

SIKORSKY AIRCRAFT CORPORATION

- Part Number **08UTC-40588** – General cleaning on Sikorsky Aircraft.

DEPARTMENT OF DEFENSE

- TACOM – ACALA Maintenance Advisory Message No. 97-17, authorizes **BREAKTHROUGH®** for use on all small arms and aircraft armament systems.

- TACOM – Meets military Specification for MIL PRF-680, Type II.

- TB 43-0135 – Recommended substitute for ozone depleting substances used on communications-electronics equipment.

U.S. AIR FORCE

- PRO-ACT SS Talk Edition 31 Dec 96, authorizes **BREAKTHROUGH®** as MIL PRF-680, Type II.

U.S. ARMY

- "Based upon favorable toxicity, regulatory and use data; a toxicity clearance is granted for **BREAKTHROUGH®** for use as a degreasing solvent." U.S. Army Center for Health Promotion and Preventative Medicine, 28 Jan 97.

- APC Tech Message #92 authorizes **BREAKTHROUGH®** as an Environmentally Compliant Replacement for PD-680 Type I and Type II for cleaning U.S. Army Weapons, Ground Vehicles, Equipment, and Aviation materials.

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