

Hilton Michael F
Form 4
May 22, 2007

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Check this box
if no longer
subject to
Section 16.
Form 4 or
Form 5
obligations
may continue.
See Instruction
1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF
SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
30(h) of the Investment Company Act of 1940

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
Hilton Michael F

2. Issuer Name **and** Ticker or Trading
Symbol
AIR PRODUCTS & CHEMICALS
INC /DE/ [APD]

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

(Last) (First) (Middle)
7201 HAMILTON BOULEVARD
(Street)

3. Date of Earliest Transaction
(Month/Day/Year)
05/21/2007

____ Director ____ 10% Owner
____X____ Officer (give title ____ Other (specify
below) below)
V.P. and G.M.

ALLENTOWN, PA 18195

4. If Amendment, Date Original
Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check
Applicable Line)
____X____ Form filed by One Reporting Person
____ Form filed by More than One Reporting
Person

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	05/21/2007		M		3,000	A	\$ 45.53
Common Stock	05/21/2007		S		3,000	D	\$ 78
Common Stock							3,102.25
							I
							By RSP

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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information contained in this form are not
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SEC 1474
(9-02)

number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
2004 Stock Options ⁽¹⁾	\$ 45.53	05/21/2007		M		3,000		08/08/1988 ⁽²⁾	10/02/2013	Common Stock	3,000
Rights 2004 ⁽³⁾	⁽³⁾	05/21/2007		J		3,000		08/08/1988 ⁽⁴⁾	10/02/2013	Common Stock	3,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Hilton Michael F 7201 HAMILTON BOULEVARD ALLENTOWN, PA 18195			V.P. and G.M.	

Signatures

By: Linda M. Svoboda as Attorney
in Fact 05/22/2007

__Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

- (1) Employee Stock Options (Options) granted under the issuer's Long-Term Incentive Plan (LTIP). Exercise of these Options cancels the related Rights described herein on a one-for-one basis.
- (2) One-third became exercisable 10/1/04; one-third became exercisable 10/1/05; and one-third become exercisable 10/1/06.
- (3) These Rights were cancelled upon the exercise of the Options described herein.
- (4) Rights have exercise dates only during a 30 day period following a change in control of the Company (as defined in the LTIP).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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