Г

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

	OMB Number:	3235-0287						
Estimated average burden								
	hours per response:	0.5						

					0	r Sect	ion 30(h) of th	e Inv	/estment	Con	npany Act o	of 1940	00						
1. Name and Address of Reporting Person* <u>DEATON CHAD C</u>					A	2. Issuer Name and Ticker or Trading Symbol <u>AIR PRODUCTS & CHEMICALS INC</u> /DE/ [APD]										ck all applic	,		on(s) to Issi 10% Ov	
(Last) (First) (Middle) 7201 HAMILTON BOULEVARD						3. Date of Earliest Transaction (Month/Day/Year) 01/24/2013										Officer below)	r (give title)		Other (s below)	pecify
(Street) ALLENTOWN PA 18195 (City) (State) (Zip)					If Amendment, Date of Original Filed (Month/Day/Year)								Line)	Individual or Joint/Group Filing (Check Applicable ne) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
1. Title of Security (Instr. 3) 2. Transa Date (Month/D					Exe Day/Year) if an		2A. Deemed Execution Date f any Month/Day/Yea		3. Transac Code (li 8)		ion Disposed O		ies Acquired (A) Of (D) (Instr. 3, 4		Securitie Beneficia	5. Amount of Securities Beneficially Owned Following		: Direct Indirect str. 4)	7. Nature of ndirect Beneficial Dwnership Instr. 4)	
										Code	v	Amount	(A) or (D) F		Price	Transact (Instr. 3 a	on(s)			insu. 4)
	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 D if any (Month/Day	Date,	I. Fransa Code (1 3)		5. Nun of Deriva Securi Acquii (A) or Dispos of (D) (Instr. and 5)	tive ties red sed 3, 4	Expiration Date Ame (Month/Day/Year) Sec Unc Der				Amou Secur Unde Deriva	rlying	Security 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exei	e rcisable	Ex Da	piration te	Title		Amount or Number of Shares					

Explanation of Responses:

Phantom Stock

1. Not applicable to this security

\$0.0000⁽¹⁾

2. These units are payable in the form of shares of common Stock equal in number to the units, at the time elected by the reporting person, which is generally after service on the issuer's Board of Directors ends. Units may be paid in a lump sum or up to ten installments as elected by the reporting person in advance.

08/08/1988

Linda M. Svoboda as Attorney	01/25/2012
<u>in Fact</u>	01/25/2015

\$88.23

5,274.4063

D

** Signature of Reporting Person Date

1,361

Commor Stock

08/08/1988⁽²⁾

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

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

01/24/2013

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

A

1,361

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.