FORM 4

Section 16. Form 4 or Form 5 obligations may continue. See

Instruction 1(b).

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP Check this box if no longer subject to

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person*															5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
ROSENAU ROBERT M					<u>UL I</u>	UN	<u>E CO</u>	KP [PC	JL]					Director 10% Owner							
	(F NE CENTE /ALKER RO	R	(Middle)			Date (5/08/2		iest Tran	saction (N	Month	/Day/Year)	2	below)	Officer (give title below) VP & General Ma		Other (specify below) anager - Vinyl					
					4. 1	If Ame	endme	nt, Date	of Origina	al File	d (Month/E	ay/Yea	r)	6. In Line	dividual or 3	Joint/Group	Filing	(Check Ap	plicable		
(Street) AVON L	AKE O	Н	44012												Form f	iled by Mor		orting Perso One Repo			
(City)	(S	tate)	(Zip)												Persor	1					
		Tab	le I - Nor	n-Deriv	vativ	e Se	curi	ties Ac	quired	, Dis	sposed	of, or	Bene	eficiall	y Owned	l					
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/			2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction Dis Code (Instr. 5)		n Dispos	Securities Acquired (A) or sposed Of (D) (Instr. 3, 4 a				es ally Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership			
								Code	v	Amoun	t	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)			
Common	Common Stock			05/0	08/200	06			M		12,8	2,828 A		\$6	31,398		D				
Common	Common Stock			05/08/2006					S		12,8	12,828 D		\$9.15	18,570		0 D				
Common	Stock			05/0	08/200	06			M		9,90	00	A	\$6	28,470		D				
Common Stock			05/08/2006				S		9,10	9,100		\$9.15	19	19,370		D					
Common Stock			05/08/2006		06			S		50	0	D	\$9.16	18	18,870		D				
Common	Stock			05/0	08/200	06			S		30	0	D	\$9.17	7 18,570			D			
Common Stock														8,	897		I	Savings Plan Trust ⁽¹⁾			
		-	Table II -								osed o				Owned			<u> </u>			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution I if any (Month/Day	d Date,	4. Transa Code (8)	action	n of E		6. Date Exercisab Expiration Date (Month/Day/Year)		sable and	of Securities		Amount s	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 Exercisa	able	Expiration Date	Title	0 N	Amount or Number of Shares							
Incentive Stock Option (right to buy)	\$6	05/08/2006			M			9,900	04/01/2	006	03/31/2007	, Com: Sto		9,900	\$0	0		D			
Non- Qualified Stock Option (right to buy)	\$6	05/08/2006			M			12,828	04/01/20	005	03/31/2013	Com		12,828	\$0	0		D			

Explanation of Responses:

1. The information in this report is based on a PolyOne Retirement Savings Plan statement dated as of March 31, 2006. PolyOne common shares are held in a unitized fund that consists of stock and cash. The number of shares and the amount of cash may fluctuate daily depending on plan level activity in the fund. Even though no transaction has occurred, this fluctuation may result in an increase or decrease in the number of shares held since the last report filed by the reporting person.

By: Wendy C. Shiba, Power of

Attorney For: Robert M.

Rosenau

** Signature of Reporting Person

05/10/2006

Date

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

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.

^{*} 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).