

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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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* <u>Van Hulle John V</u>	2. Date of Event Requiring Statement (Month/Day/Year) 01/01/2010	3. Issuer Name and Ticker or Trading Symbol <u>POLYONE CORP [POL]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>SVP, President of Global Color</u>	5. If Amendment, Date of Original Filed (Month/Day/Year)
(Last) (First) (Middle) <u>POLYONE CENTER</u> <u>33587 WALKER ROAD</u>			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person
(Street) <u>AVON LAKE OH</u> <u>44012</u>			
(City) (State) (Zip)			

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<u>Common Stock</u>	<u>20,000</u>	<u>D</u>	
<u>Common Stock</u>	<u>20,225</u>	<u>I</u>	<u>Savings Plan Trust⁽¹⁾</u>

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
<u>Performance Shares</u>	<u>(2)</u>	<u>03/05/2012</u>	<u>Common Stock</u>	<u>20,000</u>	<u>(2)</u>	<u>D</u>	
<u>Restricted Stock Units</u>	<u>03/06/2011</u>	<u>03/06/2011</u>	<u>Common Stock</u>	<u>9,700</u>	<u>(3)</u>	<u>D</u>	
<u>Stock Appreciation Right</u>	<u>(4)</u>	<u>03/04/2016</u>	<u>Common Stock</u>	<u>34,700</u>	<u>1.43</u>	<u>D</u>	
<u>Stock Appreciation Right</u>	<u>(5)</u>	<u>03/08/2014</u>	<u>Common Stock</u>	<u>37,800</u>	<u>6.585</u>	<u>D</u>	
<u>Stock Appreciation Right</u>	<u>(6)</u>	<u>03/05/2015</u>	<u>Common Stock</u>	<u>22,500</u>	<u>6.765</u>	<u>D</u>	
<u>Stock Appreciation Right</u>	<u>(7)</u>	<u>08/30/2013</u>	<u>Common Stock</u>	<u>35,000</u>	<u>8.475</u>	<u>D</u>	

Explanation of Responses:

- The information in this report is based on a PolyOne Retirement Savings Plan statement as of December 31, 2009. PolyOne common shares are held in a unitized fund that consists of stock and cash.
- Each performance share is equal in value to one share of PolyOne common stock and will pay out in the form of common shares on a one-for-one basis. Performance shares vest one-third on the attainment of 10%, 20% and 30% stock appreciation (which must be maintained for a minimum of three consecutive trading days) from the grant date closing price of \$1.43 per share. Vested shares will be distributed on the third anniversary of the grant date.
- The restricted stock units vest three years from the grant date on March 6, 2011
- SARs become exercisable and vest one-third on the attainment of 10%, 20% and 30% stock appreciation (which must be maintained for a minimum of three consecutive trading days) from the grant date closing price of \$1.43 per share, with no more than one-third vesting per year during the first three years.
- SARs are exercisable upon vesting. Vesting occurs when the market price of the PolyOne common stock reaches pre-determined levels for three consecutive days as follows: 1/3 vests at a market price of \$7.24 per share; an additional 1/3 vests at a market price of \$7.90 per share; and the remaining 1/3 vests at a market price of \$8.56 per share; provided, however, that no vesting will occur sooner than one year from the grant date of March 8, 2007.
- The stock appreciation rights vest in three equal annual installments beginning March 6, 2009.
- SARs are exercisable upon vesting. Vesting occurs when the market price of the PolyOne common stock reaches pre-determined levels for three consecutive days as follows: 1/3 vests at a market price of \$7.50 per share; an additional 1/3 vests at a market price of \$8.50 per share; and the remaining 1/3 vests at a market price of \$10.00 per share; provided, however, that no vesting will occur sooner than one year from the grant date of August 30, 2006.

By: Lisa K. Kunkle, Power of Attorney For: John V. Van Hulle 01/04/2010

** Signature of Reporting Person Date

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 5 (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).

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.

Power of Attorney

Know all by these presents that the undersigned hereby constitutes and appoints each of Robert M. Patterson, Kenneth M. Smith, and Lisa K. Kunkle, signing singly, the undersigned's true and lawful attorney-in-fact to:

1. Prepare, execute in the undersigned's name and on the undersigned's behalf, and submit to the U.S. Securities and Exchange Commission (the "SEC") a Form ID, including amendments thereto, and any other documents necessary or appropriate to obtain codes and passwords enabling the undersigned to make electronic filings with the SEC of reports required by Section 16(a) of the Securities Exchange Act of 1934 or any rule or regulation of the SEC; and

2. Execute for and on behalf of the undersigned, in the undersigned's capacity as an officer and/or director of PolyOne Corporation (the "Corporation"), Forms 3, 4, and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934 and the rules thereunder; and

3. Do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4, or 5 and timely file such form with the SEC and any stock exchange or similar authority; and

4. Take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Corporation assuming, any of the undersigned's responsibility to comply with Section 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Corporation, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 18 day of December, 2009.

/s/ John V. Van Hulle
John V. Van Hulle