Chemtura CORP Form 5 January 22, 2007

#### FORM 5

#### OMB APPROVAL

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

OMB Number: 3235-0362 January 31,

2005

no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box if

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response... 1.0

Expires:

See Instruction
1(b). Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

Reported Form 4

30(h) of the Investment Company Act of 1940

Transactions Reported

1. Name and Address of Reporting Person \* 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer VAGNINI MICHAEL F Symbol Chemtura CORP [CEM] (Check all applicable) (Last) (First) (Middle) 3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) Director 10% Owner Officer (give title \_\_X\_ Other (specify 12/31/2006 below) below) 199 BENSON ROAD Former Sr. VP and Controller (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year) (check applicable line)

#### MIDDLEBURY, CTÂ 06749

\_X\_ Form Filed by One Reporting Person \_\_\_ Form Filed by More than One Reporting Person

(City)	(State)	(Zip) Tabl	le I - Non-Der	ivative Se	curiti	es Acqu	iired, Disposed	of, or Benefici	ally 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. Securi Acquired Disposed (Instr. 3,	d (A) of d of (E) 4 and (A) or	))	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	Â	Â	Â	Â	Â	Â	49,455	D	Â
Common Stock	01/19/2007	Â	A	113	A	\$ 0	319.5289 (1)	I	DRIP
Common Stock	01/19/2007	Â	A	106	A	\$0	5,244 <u>(2)</u>	I	Restricted Stock Account
Common Stock	Â	Â	Â	Â	Â	Â	6,500	I	Restricted Stock

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									Account II
Common Stock	01/19/2007	Â	A	146	A	\$ 0	7,235 (2)	I	Restricted Stock Account III
Common Stock	Â	Â	Â	Â	Â	Â	6,700	I	Restricted Stock Account IV
Common Stock	Â	Â	Â	Â	Â	Â	6,800	I	Restricted Stock Account: Merger Integration Grants
Common Stock	01/19/2007	Â	A	53	A	\$ 0	4,823 (3)	I	Savings Plan (401k) Trust
Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.			Persons w contained the form di	SEC 2270 (9-02)					

 $\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (e.g., puts, calls, warrants, options, convertible securities) \end{tabular}$ 

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)	Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount o Underlying Securities (Instr. 3 and 4)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
ISO Stock Option (Right to Buy)	\$ 5.85	Â	Â	Â	Â	Â	10/20/2004	10/19/2013	Common Stock	6,188
ISO Stock Option (Right to Buy)	\$ 6.38	Â	Â	Â	Â	Â	01/21/2004	01/21/2013	Common Stock	24,310
ISO Stock Option	\$ 7.25	Â	Â	Â	Â	Â	10/22/2003	10/22/2012	Common Stock	12,868

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(Right to Buy)										
ISO Stock Option (Right to Buy)	\$ 7.92	Â	Â	Â	Â	Â	10/23/2003	10/23/2011	Common Stock	10,000
ISO Stock Option (Right to Buy)	\$ 8.343	Â	Â	Â	Â	Â	10/19/2001	10/19/2009	Common Stock	9,527
ISO Stock Option (Right to Buy)	\$ 14.3438	Â	Â	Â	Â	Â	08/04/1999	10/14/2008	Common Stock	7,273
ISO Stock Option (Right to Buy)	\$ 26.4063	Â	Â	Â	Â	Â	08/04/1999	11/07/2007	Common Stock	5,000
ISO Stock Option (Right to Buy)	\$ 16.875	01/19/2007	Â	E(4)	Â	5,000	08/04/1999	11/16/2006	Common Stock	5,000
NQ Stock Option (Right to Buy)	\$ 5.85	Â	Â	Â	Â	Â	10/20/2004	11/19/2013	Common Stock	13,812
NQ Stock Option (Right to Buy)	\$ 6.38	Â	Â	Â	Â	Â	01/21/2004	02/20/2013	Common Stock	5,690
NQ Stock Option (Right to Buy)	\$ 7.25	Â	Â	Â	Â	Â	10/22/2003	10/22/2012	Common Stock	7,132
NQ Stock Option (Right to	\$ 7.92	Â	Â	Â	Â	Â	10/23/2002	11/22/2011	Common Stock	10,000

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Buy)										
NQ Stock Option (Right to Buy)	\$ 8.1562	Â	Â	Â	Â	Â	10/31/2001	11/30/2010	Common Stock	20,000
NQ Stock Option (Right to Buy)	\$ 8.343	Â	Â	Â	Â	Â	10/19/2000	11/19/2009	Common Stock	40,473
NQ Stock Option (Right to Buy)	\$ 10.75	Â	Â	Â	Â	Â	03/06/2007	04/05/2016	Common Stock	20,000
NQ Stock Option (Right to Buy)	\$ 11.24	Â	Â	Â	Â	Â	11/23/2005	12/22/2014	Common Stock	25,000
NQ Stock Option (Right to Buy)	\$ 12.46	Â	Â	Â	Â	Â	01/31/2007	02/29/2016	Common Stock	20,400
NQ Stock Option (Right to Buy)	\$ 12.92	Â	Â	Â	Â	Â	02/23/2006	03/22/2015	Common Stock	21,000
NQ Stock Option (Right to Buy)	\$ 14.3438	Â	Â	Â	Â	Â	08/04/1999	11/14/2008	Common Stock	727

# **Reporting Owners**

Reporting Owner Name / Address	Relationships							
<b></b>	Director	10% Owner	Officer	Other				
VAGNINI MICHAEL F 199 BENSON ROAD MIDDLEBURY Â CTÂ 06749	Â	Â	Â	Former Sr. VP and Controller				

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### **Signatures**

Michael F. Vagnini 01/22/2007

\*\*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).
- (2) These shares were acquired during the fiscal year through reinvestment of dividends paid of shares in this fund.
- (3) These shares were acquired during the fiscal year through reinvestment of dividends paid on shares in the Registrant's Savings Plan (401K) Trust.
- (1) These shares were acquired during the fiscal year through reinvestment of dividends paid on the shares in the Registrant's Dividend Reinvestment Plan.
- (4) Expired by its term without exercise or payment.

Note: File three copies of this Form, one of which must be manually signed. If space provided is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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