

Chemtura CORP
 Form 4
 February 21, 2007

FORM 4

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

OMB APPROVAL

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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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Yeaw Gary P

(Last) (First) (Middle)
 199 BENSON ROAD
 (Street)

MIDDLEBURY, CT 06749

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 Chemtura CORP [CEM]

3. Date of Earliest Transaction (Month/Day/Year)
 02/16/2007

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 EVP, HR & Communications

6. Individual or Joint/Group Filing(Check Applicable Line)
 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. 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 Indirect Beneficial Ownership (Instr. 4)
				(A) or (D) Code V Amount (D) Price			
Common Stock					16,870	D	
Common Stock					20,000	I	Restricted Stock Account
Common Stock	02/16/2007		J ⁽¹⁾	16,000 A	\$ 12.06 16,000	I	Restricted Stock Account 2007-2009 LTIP
					12,300	I	

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Common Stock						Restricted Stock Account II
Common Stock				3,000	I	Restricted Stock Account: Merger Integration Grants
Common Stock				223	I	Savings Plan (401k) Trust

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

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(9-02)

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
NQ Stock Option (Right to Buy)	\$ 10.75					03/07/2007	04/05/2016	Common Stock	37,000
NQ Stock Option (Right to Buy)	\$ 12.46					01/31/2007	02/29/2016	Common Stock	18,000
NQ Stock Option (Right to Buy)	\$ 12.06	02/16/2007		J ⁽²⁾	48,000	02/16/2008	02/16/2017	Common Stock	48,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Yeaw Gary P 199 BENSON ROAD MIDDLEBURY, CT 06749			EVP, HR & Communications	

Signatures

Gary P. Yeaw 02/21/2007

__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) Options will vest as follows: one-quarter of grant on February 16, 2008; one-quarter of grant on February 16, 2009; one-quarter of grant on February 16, 2010; and one-quarter of grant on February 16, 2011.
- (1) Restricted shares acquired pursuant to the 2007-2009 Long-Term Incentive Plan.

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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