

Chemtura CORP  
Form 5  
January 22, 2007

**FORM 5**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).  
Form 3 Holdings Reported Form 4 Transactions Reported

**ANNUAL 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

1. Name and Address of Reporting Person \*  
SHAINMAN BARRY J

(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. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
12/31/2006

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)  
Vice President & Secretary

6. Individual or Joint/Group Reporting

(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)	(A) or (D)	Price	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							14,788	D	
Common Stock							5,000	I	Restricted Stock Account
Common Stock	01/22/2007		A	69	A	\$ 0	3,411 <sup>(1)</sup>	I	Restricted Stock Account I
							5,000	I	

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Common Stock										Restricted Stock Account II
Common Stock	Â	Â	Â	Â	Â	Â	1,500	I		Restricted Stock Account: Merger Integration Grants
Common Stock	01/22/2007	Â	A	110	A	\$ 0	4,807 <sup>(2)</sup>	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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**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)	
					(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	6,000
ISO Stock Option (Right to Buy)	\$ 7.25	Â	Â	Â	Â	Â	10/22/2003	10/22/2012	Common Stock	6,000
ISO Stock Option (Right to Buy)	\$ 7.92	Â	Â	Â	Â	Â	10/23/2002	10/23/2011	Common Stock	7,500
ISO Stock	\$ 8.1562	Â	Â	Â	Â	Â	10/31/2001	10/31/2010	Common Stock	5,000

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Option (Right to Buy)												
ISO Stock Option (Right to Buy)	\$ 8.3438	Â	Â	Â	Â	Â	10/19/2000	10/19/2009	Common Stock	5,000		
ISO Stock Option (Right to Buy)	\$ 14.3438	Â	Â	Â	Â	Â	10/14/2000	10/13/2008	Common Stock	3,000		
ISO Stock Option (Right to Buy)	\$ 26.4063	Â	Â	Â	Â	Â	04/25/2000	10/06/2007	Common Stock	2,000		
ISO Stock Option (Right to Buy)	\$ 16.875	01/22/2007	Â	E	Â	2,000	04/25/2000	10/15/2006	Common Stock	2,000 <u>(3)</u>		
NQ Stock Option (Right to Buy)	\$ 10.75	Â	Â	Â	Â	Â	03/06/2007	04/05/2016	Common Stock	15,000		
NQ Stock Option (Right to Buy)	\$ 11.24	Â	Â	Â	Â	Â	11/23/2005	12/22/2014	Common Stock	10,000		
NQ Stock Option (Right to Buy)	\$ 12.46	Â	Â	Â	Â	Â	01/31/2007	02/29/2016	Common Stock	4,500		
NQ Stock Option (Right to Buy)	\$ 12.92	Â	Â	Â	Â	Â	02/23/2006	03/22/2015	Common Stock	10,000		

# Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SHAINMAN BARRY J 199 BENSON ROAD MIDDLEBURY, CT 06749				Vice President & Secretary

# Signatures

Barry J. Shainman  
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 pursuant to the Registrant's Savings Plan (401K) Trust and through reinvestment of dividends paid on the shares in this fund.
- (3) Expired by its term without exercise or payment.
- (1) These shares were acquired during the fiscal year through reinvestment of dividends paid on the share in this fund.

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