

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 \*  
**CROWNOVER JAMES W**

(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)

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)	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 Ownership (Instr. 4)
				(A) or (D) Amount Price			
Common Stock	Â	Â	Â	Â	7,558	D	Â
Common Stock	01/22/2007	Â	A	172 A \$ 0	8,529 (1)	I	Restricted Stock Account

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

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SEC 2270 (9-02)

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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)	8. Amount or Number of Shares
						Date Exercisable (A)	Expiration Date (D)		
Stock Options (Right to buy)	\$ 9.73	Â	Â	Â	Â Â	07/01/2005	02/11/2013	Common Stock	6,669
Stock Options (Right to buy)	\$ 10.22	Â	Â	Â	Â Â	07/01/2005	02/12/2012	Common Stock	6,113
Stock Options (Right to buy)	\$ 11.01	Â	Â	Â	Â Â	07/01/2005	05/06/2014	Common Stock	6,669
Stock Options (Right to buy)	\$ 14.09	Â	Â	Â	Â Â	07/01/2005	02/13/2010	Common Stock	6,113
Stock Options (Right to buy)	\$ 14.4	Â	Â	Â	Â Â	07/01/2005	05/03/2011	Common Stock	6,113

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
CROWNOVER JAMES W 199 BENSON ROAD MIDDLEBURY, CT 06749	Â X	Â	Â	Â

## Signatures

James W.  
Crownover

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).
- (1) These shares were acquired during the fiscal year through reinvestment of dividends paid on the shares in the director's Restricted Stock Unit Account.

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