

Meadows-Smith Marcus C  
 Form 4  
 February 02, 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 \*  
 Meadows-Smith Marcus C

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

3. Date of Earliest Transaction (Month/Day/Year)  
 01/31/2007

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 Executive VP, Crop Protection

MIDDLEBURY, CT 06749

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 \_\_\_\_ Form filed by More than One Reporting Person

(City) (State) (Zip)

**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)
			Code	V Amount (A) or (D) Price			
Common Stock	01/31/2007		J <sup>(1)</sup>	1,808 A \$ 11.35	1,808	D	
Common Stock	02/01/2007		J <sup>(2)</sup>	4,080 A \$ 11.675	5,888	D	
Common Stock					13,500	I	Restricted Stock Account
Common Stock	02/01/2007		J <sup>(3)</sup>	6,198 D \$ 11.675	9,304	I	Restricted Stock Account i
					15,000	I	

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Common Stock									Restricted Stock Account II
Common Stock	01/31/2007		J <sup>(4)</sup>	2,900	D	\$ 11.35	2,900	I	Restricted Stock Account: Merger Integration Grants
Common Stock							4,419	I	Savings Plan (401k) Trust
Common Stock							8,237	I	Supplemental Savings Plan

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)	8. Price or Amount of Derivative Security (Instr. 3)	
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
						Code	V	(A)	(D)
ISO Stock Option (Right to Buy)	\$ 8.1562					10/31/2001	10/31/2010	Common Stock	2,500
ISO Stock Option (Right to Buy)	\$ 8.3437					10/19/2000	10/19/2009	Common Stock	500
	\$ 5.85					10/20/2004	11/19/2013		3,000

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NQ Stock Option (Right to Buy)					Common Stock	
NQ Stock Option (Right to Buy)	\$ 7.25	10/22/2003	11/21/2012		Common Stock	3,000
NQ Stock Option (Right to Buy)	\$ 7.92	10/23/2002	11/22/2011		Common Stock	2,500
NQ Stock Option (Right to Buy)	\$ 10.75	03/06/2007	04/05/2016		Common Stock	45,000
NQ Stock Option (Right to Buy)	\$ 11.24	11/23/2005	12/22/2014		Common Stock	35,000
NQ Stock Option (Right to Buy)	\$ 12.46	01/31/2007	02/29/2016		Common Stock	17,400
NQ Stock Option (Right to Buy)	\$ 12.92	02/23/2006	03/22/2015		Common Stock	45,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Meadows-Smith Marcus C 199 BENSON ROAD MIDDLEBURY, CT 06749			Executive VP, Crop Protection	

## Signatures

Marcus  
Meadows-Smith                      02/02/2007  
\_\_Signature of Reporting                      Date  
Person

## 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) Direct holdings increased by 4,080 shares transferred from Restricted Stock Account I.
- (4) 2,900 shares were distributed to the reporting person in connection with the merger integration grants from Restricted Stock Account: Merger Integration Grants, of which 1,092 shares were withheld to satisfy tax withholding requirements.
- (1) Direct holdings increased by 1,808 shares transferred from Restricted Stock Account: Merger Integration Grants.
- (3) 6,198 shares were distributed to the reporting person in connection with the 2005-2007 Long Term Incentive Plan from Restricted Stock Account I, of which 2,118 shares were withheld to satisfy tax withholding requirements.

Note: File three copies of this Form, one of which must be manually signed. If space 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.