

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 ⁽¹⁾ | 1,808 A \$ 11.35 | 1,808 | D | |
| Common Stock | 02/01/2007 | | J ⁽²⁾ | 4,080 A \$ 11.675 | 5,888 | D | |
| Common Stock | | | | | 13,500 | I | Restricted Stock Account |
| Common Stock | 02/01/2007 | | J ⁽³⁾ | 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 ⁽⁴⁾ | 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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474
(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) | 8. Price or Amount of Underlying Securities (Instr. 3 and 4) | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|----------------------------|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| 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
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) 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.