

Chemtura CORP
 Form 4
 February 21, 2007

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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

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 *
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. 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)
 Vice President & Secretary

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 | | | | | 16,048 | D | |
| Common Stock | | | | | 5,000 | I | Restricted Stock Account |
| Common Stock | | | | | 2,050 | I | Restricted Stock Account I |
| Common Stock | | | | | 5,000 | I | Restricted Stock Account II |

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| | | | | | | | | |
|--------------|------------|------------------|-------|---|----------|-------|---|---|
| Common Stock | 02/16/2007 | J ⁽¹⁾ | 2,600 | A | \$ 12.06 | 2,600 | I | Restricted Stock Account III |
| Common Stock | | | | | | 750 | I | Restricted Stock Account: Merger Integration Grants |
| Common Stock | | | | | | 4,807 | 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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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. Amount or Number of Shares | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|----------------------------|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| ISO Stock Option (Right to Buy) | \$ 5.85 | | | | | 10/20/2004 10/19/2013 | Common Stock | 6,000 | |
| ISO Stock Option (Right to Buy) | \$ 7.25 | | | | | 10/22/2003 10/22/2012 | Common Stock | 6,000 | |
| ISO Stock Option (Right to Buy) | \$ 7.92 | | | | | 10/23/2002 10/23/2011 | Common Stock | 7,500 | |

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| | | | | | | | | | | |
|---|------------|------------|--|-------------------------|-------|------------|------------|-----------------|--------|--|
| Buy) | | | | | | | | | | |
| ISO Stock Option (Right to Buy) | \$ 8.1562 | | | | | 10/31/2001 | 10/31/2010 | Common Stock | 5,000 | |
| ISO Stock Option (Right to Buy) | \$ 8.3438 | | | | | 10/19/2000 | 10/19/2009 | Common Stock | 5,000 | |
| ISO Stock Option (Right to Buy) | \$ 14.3438 | | | | | 10/14/2000 | 10/13/2008 | Common Stock | 3,000 | |
| ISO Stock Option (Right to Buy) | \$ 26.4063 | | | | | 04/25/2000 | 10/06/2007 | Common Stock | 2,000 | |
| NQ Stock Option (Right to Buy) | \$ 10.75 | | | | | 03/06/2007 | 04/05/2016 | Common Stock | 15,000 | |
| NQ Stock Option (Right to Buy) | \$ 11.24 | | | | | 11/23/2005 | 12/22/2014 | Common Stock | 10,000 | |
| NQ Stock Option (Right to Buy) | \$ 12.46 | | | | | 01/31/2007 | 02/29/2016 | Common Stock | 4,500 | |
| NQ Stock Option (Right to Buy) | \$ 12.92 | | | | | 02/23/2006 | 03/22/2015 | Common Stock | 10,000 | |
| NQ Stock Option (Right to Buy) | \$ 12.06 | 02/16/2007 | | <u>J</u> ⁽²⁾ | 8,000 | 02/16/2008 | 02/16/2017 | Common Stock | 8,000 | |

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

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 stock will vest on August 16, 2010.

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.