Chemtura CORP Form 4 February 02, 2007

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL OMB

Washington, D.C. 20549

3235-0287 Number: January 31, Expires:

2005

if no longer subject to Section 16. Form 4 or

Check this box

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per 0.5 response...

Form 5 obligations may continue. See Instruction

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(b).

(Print or Type Responses)

| 1. Name and Address of Reporting Person * Yeaw Gary P | | | | 2. Issues | r Name and | d Ticker or Trading | 5. Relationship of Reporting Person(s) to Issuer | | |
|-------------------------------------------------------|--------------------------------------|-----------------------------------------|-------|-------------------------|-------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------|----------------------------------|
| (Last) (First) (Middle) | | | | ra CORP f Earliest T | | (Check all applicable) | | | |
| 199 BENSON ROAD | | | | (Month/E 01/31/2 | • | | Director 10% Owner Officer (give title Other (specify below) EVP, HR & Communications | | |
| (Street) | | | | 4. If Ame | ndment, D | ate Original | 6. Individual or Joint/Group Filing(Check | | |
| | MIDDLEB | URY, CT 06749 | | Filed(Month/Day/Year) | | | Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person | | |
| | (City) | (State) | (Zip) | Tabl | le I - Non-I | Derivative Securities Acq | quired, Disposed | of, or Benefici | ally Owned |
| | 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | | Date, if | Code | 4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially | 6. Ownership Form: | 7. Nature of Indirect Beneficial |

| | | 140 | 10 1 - 11011-1 | Derivative | becu | THE AC | quireu, Disposeu | oi, or benefici | any Owned |
|--------------------------------------|-----------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------|------------------|------------------------------------------------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. 4. Securities Acquired Transactior(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) | | | 5. Amount of Securities Beneficially Owned Following | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | | |
| | | | Code V | Amount | (A) or (D) | Price | Reported Transaction(s) (Instr. 3 and 4) | (I) (Instr. 4) | |
| Common Stock | 01/31/2007 | | <u>J(1)</u> | 1,870 | A | \$ 11.35 | 16,870 | D | |
| Common Stock | | | | | | | 20,000 | I | Restricted Stock Account |
| Common Stock | | | | | | | 12,300 | I | Restricted Stock Account II |
| Common Stock | 01/31/2007 | | J(2) | 3,000 | D | \$ 11.35 | 3,000 | I | Restricted Stock Account: |

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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. Transactic Code (Instr. 8) | 5. DrNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | | 8. Pri Deriv Secun (Instr |
|-----------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------|---------------------|--------------------|---------------------------------------------------------------------|-------------------------------------|------------------------------------|
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| NQ Stock Option (Right to Buy) | \$ 10.75 | | | | | 03/07/2007 | 04/05/2016 | Common Stock | 37,000 | |
| NQ Stock Option (Right to | \$ 12.46 | | | | | 01/31/2007 | 02/29/2016 | Common Stock | 18,000 | |

Reporting Owners

MIDDLEBURY, CT 06749

Buy)

| Reporting Owner Name / Address | Relationships | | | | | | |
|--------------------------------|---------------|-----------|--------------------------|-------|--|--|--|
| 1 8 | Director | 10% Owner | Officer | Other | | | |
| Yeaw Gary P | | | | | | | |
| 199 BENSON ROAD | | | EVP, HR & Communications | | | | |

Reporting Owners 2

Signatures

Gary P. Yeaw 02/02/2007

**Signature of Date
Reporting 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).
- (1) Direct holdings increased by 1,870 shares transferred from Restricted Stock Account: Merger Integration Grants.
- (2) 3,000 shares were distributed to the reporting person in connection with the merger integration grants from Restricted Stock Account: Merger Integration Grants, of which 1,130 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.

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