

MINERALS TECHNOLOGIES INC  
 Form 4/A  
 March 16, 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

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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 \*  
 SOREL JOHN A

2. Issuer Name and Ticker or Trading Symbol  
 MINERALS TECHNOLOGIES INC  
 [MTX]

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)

(Last) (First) (Middle)  
 MINERALS TECHNOLOGIES  
 INC., 405 LEXINGTON AVENUE  
 (Street)

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 02/22/2007

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 Senior Vice President

NEW YORK,, NY 10174

4. If Amendment, Date Original Filed(Month/Day/Year)  
 02/23/2007

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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
|                                 |                                      |  | Code                           | V Amount (A) or (D) Price   |   |  |                                   |
| Common Stock                    | 02/22/2007                           |  | M                              | 1,367 A \$ 5.067  |   | D  |                                   |
| Common Stock                    | 02/22/2007                           |  | F                              | 462 <sup>(2)</sup> D \$ 61.43                                     | 4,605   | D  |                                   |
| Common Stock                    |                                      |  |                                |   | 2,889 <sup>(3)</sup>  | I  | By 401(k) Plan                    |

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

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SEC 1474 (9-02)

displays a currently valid OMB control number.

**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 (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 |
|--|--|--------------------------------------|--|--------------------------------|--|--|---|-------------------------------|
| Deferred Restricted Stock Units ("DRSUs")  | (1)  | 02/22/2007                           |  | M                              | 1,367  | (4) (4)  | Common Stock  | 1,367                         |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |                       |       |
|---|---------------|-----------|-----------------------|-------|
|   | Director      | 10% Owner | Officer               | Other |
| SOREL JOHN A<br>MINERALS TECHNOLOGIES INC.<br>405 LEXINGTON AVENUE<br>NEW YORK,, NY 10174 |               |           | Senior Vice President |       |

## Signatures

Laszlo Serester for John A. Sorel  
Date: 03/16/2007

\*\*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) Each DRSU is the economic equivalent of one share of Minerals Technologies Inc. common stock.  
Due to an administrative error, the reporting person inadvertently reported on February 28, 2007 the withholding of 429 shares to satisfy tax withholding obligations incident to the vesting of the 1,367 DRSUs, when in fact 462 shares were withheld to satisfy such withholding obligations.
- (3) Mr. Sorel has 2,889 shares of Minerals Technologies Inc. stock under the company's 401(k) Plan. The information contained in this report is based on a plan statement dated as of February 22, 2007.
- (4) Mr. Sorel was granted 4,100 DRSUs on Febraury 22, 2006, vesting in three equal annual installments starting on the first anniversary of the grant date. Accordingly, 1,367 DRSUs representing the first such installment vested on February 22, 2007.

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