

SOREL JOHN A  
Form 4  
February 01, 2010

**FORM 4**

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

OMB APPROVAL

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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 \*  
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)  
405 LEXINGTON AVENUE  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
01/28/2009

\_\_\_\_ 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)

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                    | 01/28/2010                           |  | M                              | 3,234 A \$ 20,323   |   | D  |                                   |
| Common Stock                    | 01/28/2010                           |  | F                              | 1,271 D \$ 48.27  | 19,052  | D  |                                   |
| Common Stock                    |                                      |  |                                |   | 3,341 (2)   | 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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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 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 Security (Instr. 3 and 4) |                            |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|----------------------------|
|  |  |                                      |  | Code                           | V (A) (D)   | Date Exercisable Expiration Date                         | Title   | Amount or Number of Shares |
| Employee Stock Option (Right to Buy)       | \$ 39.71   | 01/28/2009                           |  | A                              | 16,700  | (3) 01/28/2019   | Common Stock  | 16,700                     |
| Deferred Restricted Stock Units (DRSUs)    | (1)  | 01/28/2009                           |  | A                              | 9,700   | (4) (4)  | Common Stock  | 9,700                      |
| DRSUs                                      | (1)  | 01/28/2010                           |  | M                              | 3,234   | (5) (5)  | Common Stock  | 3,234                      |

## Reporting Owners

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

## Signatures

Thomas Meek for John A.  
Sorel

02/01/2010

\*\*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.

(2) Mr. Sorel has 3,341 shares of Minerals Technologies Inc. Common Stock under the Company's 401(k) Plan. The information contained in this report is based on a Plan Statement dated as of January 28, 2010.

(3) The options vest in three equal annual installments beginning on January 28, 2010.

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(4) DRSUs vest in three equal annual installments beginning on January 28, 2010. Vested shares will be delivered to the reporting person upon vesting.

(5) Mr. Sorel was granted 9,700 DRSUs on January 28, 2009, which vest in three equal annual installments beginning on January 28, 2010.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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